ELECTRICAL WEST

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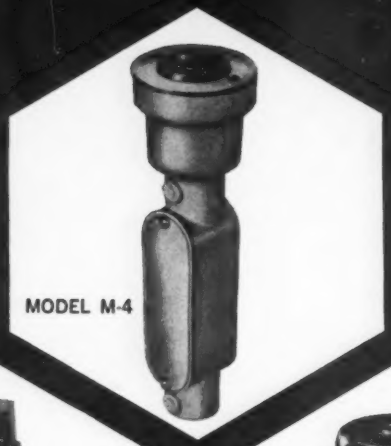
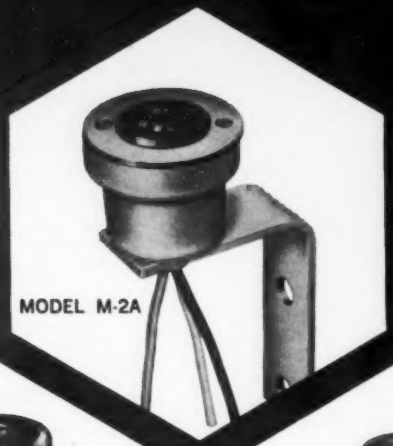
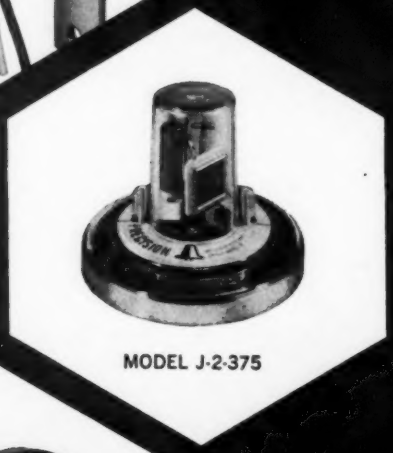
Buyers' Guide and Manufacturers' Directory

1962 EDITION







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J-2-275 Finest EEI-NEMA standard control made
J-2-375 Precision control for old-style fixtures
D-5 Fail-proof Precision control in meter case
MR-462 Multiple relay for controlling a group of lights, or a circuit up to 30 amps at 105-130 volts
M-4 Adapts photocontrols to ¾" pipe installation
M-2A For mounting controls on pole cross-arm

PRECISION MULTIPLE CONTROLS, INC. • Ridgewood, New Jersey

The difference between night and day

DIRECTORY of MANUFACTURERS

Alphabetical listing of manufacturers of electrical equipment, showing their principal Western offices and sales representatives. • Every manufacturer operating in this territory is privileged to be included without charge. While this Directory is as accurate and complete as the publisher could make it, ELECTRICAL WEST assumes no responsibility for errors or omissions.

A & B ELECTRIC INC., W. 823 Garland Ave., Spokane 18, Wash.

A E INDUSTRIAL DIV., AIRCRAFT ARMAMENTS, INC., P O Box 6853, Baltimore 4, Md.—Charles Industrial Sales Co., 7510 5th St., Seattle; F. E. Bennet Co., 426 N. W. 6th Ave., Portland 9; Handling Systems of America, P.O Box 6, Woodland Hills, Calif.; Elder & Co., 333 7th St., San Francisco 3; Foster Equip. Co. Ltd., 719 Ahua St., Honolulu 3, Hawaii.

A.-P. CONTROLS (See Controls Corp. of America.)

ABBEY ETNA MACHINE CO., East Indiana Ave., Perrysburg, Ohio—A. J. Raymond, 5478 Wilshire Blvd., Los Angeles 36.

ABOLITE LIGHTING (a Division of Jones Metal Products Co.), West Lafayette, Ohio—O. W. Coombs, Sales Co., 1026 S. Olive St., Los Angeles 15; Bruce-Emmett Co., 830 S. E. Alder St., Portland 14, and 1016 First Ave. South, Seattle 4; Chas. A. Blakely, 754 Natoma St., San Francisco.

ACADEMY ELECTRICAL PRODUCTS CORP., 3842 Ninth Ave., New York 34, N. Y. — Eckert-Lloyd Co., 1950 Naomi Ave., Los Angeles, and 1225 6th St., San Francisco; Lynn & Brooks, 9931 N.E. Mason St., Portland, also Seattle and Denver.

ACCOUSTICA ASSOCIATES, INC., 10400 Aviation Blvd., Los Angeles 45, Calif.—Long & Associates, 505 Middlefield Rd., Redwood City, Calif.

ACCURATE INSULATED WIRE CORP., 25 Fox St., New Haven, Conn.—McLoughlin Co., Box 3255 Terminal Annex, Los Angeles; Fred D. Benz Co., 520 4th St., San Francisco.

ACCURATE MANUFACTURING CO., 44 Hapworth Place, Garfield, N. J.—F. J. Airey Co., 2324 E. Hunter St., Los Angeles 21; Electric Agencies, Inc., 3410 16th Ave., West, Seattle 99; Electrorep, Inc., 672 Townsend St., San Francisco 3; The L. B. Putnam Co., 7111 Larsh Dr., Denver 21 and 3695 Lois Lane, Salt Lake City; R. L. Brewer Co. Inc., P. O. Box 1547, El Paso, Tex. (See ad, p. 4)

ACEC ELECTRIC CORP., 40 East 49th St., New York City 17—Incandescent Supply Co., 255 Commercial St., San Jose, Calif.

ACKERMAN-JOHNSON CO., 625 W. Jackson Blvd., Chicago 6, Ill.—Eoff Electric Co., 509 N. W. Tenth Ave., Portland; W. C. Winks, 14th and Washington Sts., Portland; Westinghouse Electric Supply Co., 815 N. W. 12th Ave., Portland; C. W. Marwedel, 1235 Mission St., San Francisco; Los Angeles Wholesale Electric Co., 214 E. Third St., Los Angeles; C. D. Belt & Co., 2149 S. Clermont, Denver 22; Pacific Elec. Sales, 140 S. E. 28th Ave., Portland 14.

ACME ELECTRIC CORP., 40 Water St., Cuba, N. Y. —H. M. Denny Co., 3410 16th Avenue West, Seattle 99; K. L. Burton, 1834 Valleta Dr., San Pedro, Calif.; Hieber Co., 5595 W. Iowa Ave., Denver; Shefler Kahn Co., 240 S. 1st Ave., Phoenix.

ACME ELECTRIC WELDER CO., 2618 Fruitland Ave., Los Angeles 58, Calif. — Ralph B. Lundy, 1063 Howard St., San Francisco; J. E. Haseltine Co., 115 S.W. 2nd Ave., Portland; 510 First Ave. South, Seattle, and N. 1101 Division St., Spokane; Arizona Welding Equip. Co., 815 East Broadway, Tucson, Ariz., and 415 South 7th St., Phoenix, Ariz.

ACME GAUGE & INSTRUMENT CO. INC., 30 Main St., Brooklyn 1, N. Y.—Jensen Instrument, 429 Bryant St., San Francisco and 1919 Beverly Blvd., Los Angeles.

ACME INDUSTRIES, INC., 600 N. Mechanic St., Jackson, Mich.—Thomas Babington, 1029 N. 1st St., Phoenix; R. L. Ballinger, 503 Maritime Bldg., Seattle; Thomas Davenport, 272 LaCruz Ave., Millbrae, Calif.; Fluid Refrig. Equip. Eng., 6022 W. Pico Blvd., Los Angeles; Winston W. Ebmeyer, 2905 N. Mississippi St., Portland; Sabol & Rice, 1961 Longview Dr., Salt Lake City; W. M. Carroll, 322 1st St. N. W., Albuquerque, N. M.

ACME LIGHTING & MFG. CO., 949 East 31st St., Los Angeles 11, Calif. — Agent: Arthur & Allen, 420 Market St., San Francisco; Allied Elec'l Agencies, 1431 Minor Ave., Seattle 1. Distributors: Sunlight Elec. Supply, 205 W. Market, San Diego; Elec'l Contractors Supply, 205 S. Third Ave., Pocatello, Ida.; Superior Sales Co., 17225 19th St., Sacramento; Portland Elec. & Plumbing Co., 905 S. W. 16th Ave., Portland; Hussar Elec. Supply Co., 103 N. Park Ave., Tucson; Elec. Dist. Co., 1530 E. Washington, Phoenix; Inland Pipe & Supply, Yakima, Wash.; NePage Elec. Supply, 800 Pine St., Seattle; Pavell Elec. Supply, 1025 S. I St., Las Vegas, Nev.; General Electric Supply Co., 618 S. 8th St., Boise, and 312 W. 2nd So. St., Salt Lake City; Walters Wholesale Elec. Co., 18626 Susana Rd., Compton, Calif.; The Von Hamm Young Co. Ltd., P. O. Box 2630, Honolulu 3, Hawaii.

ACME LITE PRODUCTS CO., Congers, N. Y.—E. E. Strandholm, 3422 N. E. Halsey St., Portland; Lee Terry, Inc., 9138 S. Western Ave., Los Angeles; Guy deLeuze Co., 1923 Bryant St., San Francisco.

ACME STEEL CO., 135th & Perry Ave., Chicago, Ill. —Branch offices: H. H. Gamble, Mgr., 1025 6th Ave., S., Seattle; S. J. Johnson, Mgr., 4901 Pacific Blvd., Los Angeles; W. H. Smythe, Mgr., 750 Second St., San Francisco.

ACME WIRE CO., UTILITY PRODUCTS DIV., 1255 Dixwell Ave., Hamden, Conn.—Randolph Industries, 12202 E. Garvey, El Monte, Calif., 1029 N. First St., Phoenix and 525 San Pedro Dr., Albuquerque; Oliver B. Lyman Co., 55 New Montgomery St., San Francisco; S. D. White Co., 22 Etruria St., Seattle 9.

ACORN INSULATED WIRE CO., INC.—36 Freeman St., Pawtucket, Rhode Island—John Carder, Jr. Co., 1624 First St., N. W., Albuquerque; Tal Agencies, Inc., 1041 Sixth Ave. South, Seattle.

ACRA ELECTRIC CORP., 9901 Pacific Ave., Franklin Park, Ill.—R. S. Hopkins Co., 15016 Ventura Blvd., Sherman Oaks, Calif.; H. D. Campbell Co., 220 Ninth St., Seattle 9.

ACRO DIV., ROBERTSHAW-FULTON CO., 2040 E. Main, Columbus, Ohio — Fred F. Alleman, 1625 Blake Ave., Los Angeles; Fisher Switches, Inc., 3199 Park Blvd., Palo Alto, Calif.; C. B. Parsons, 5319 Fourth Ave. S., Seattle; Shefler-Kahn Co., 240 So. 1st Ave., Phoenix; C. P. Elliott, 661 Delaware, Denver 4.

ADALET MFG. CO., 14300 Lorain Ave., Clevelanc 11, Ohio—John H. Ormond Co., 600 - 16th St. Oakland, Calif.; Jim Dawson Co.; 611 Delaware St., Denver; John Carder Jr. Co., 1625 First St., N. W., Albuquerque; H. M. Denny Co., 3410 16th Ave. W., Seattle.

ADAM ELECTRIC CO., FRANK, 3650 Windsor Place, St. Louis, Mo.—Smith & Thomas Co., 568 1st Ave. S., Seattle, and 5802 N. E. 73rd St., Portland; Tri-Western Agency, 1327 Major St., Salt Lake City; Marshall Elmove, 140 Little Flower Rd., El Paso, Tex.

ADAMS & WESTLAKE CO., 1025 N. Michigan St., Elkhart, Ind.—The A. W. Nash Co., 2112 S. Atlantic Blvd., Los Angeles 22; C. B. Parsons & Co., 3028 First Ave., Seattle; T. R. Routh Co., 1209 Capuchino Ave., Burlingame, Calif.; Allen & Co., Denver Club Bldg., Suite 260, Denver 2.

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CONNECTORS

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ELECTRICAL TAPES

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POLE HARDWARE

MULTI-AMP
TEST SETS

PFAFF & KENDALL
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Jack Coffin Company
1601 East 48th South
Salt Lake City 7
Phone: CR 7-4189

PACIFIC COAST
Box LBA, c/o Electrical West
255 California St.,
San Francisco 11
Phone: DO 2-4600

L. B. ALLEN CO. INC.

9310 Berenice (Metropolitan Chicago) Schiller Park, Illinois

ADJUSTABLE FIXTURE CO., 104 E. Mason St., Milwaukee 2, Wis.—**California Electrical Supply, Folsom at 12th St., San Francisco; Graybar Electric,** 1750 Alameda St., San Francisco. Leading wholesalers all cities.

ADJUSTA-POST MFG. CO., 908 St. Clair St., Akron, Ohio—Bach Associates, 191 Oneida St., Denver.

ADMIRAL CORP., 3800 Cortland St., Chicago, Ill.—Cunningham Distributing, Inc., 615 Haines, N. W., Albuquerque; Admiral Distributing Corp., 495 Beach St., San Francisco, P. O. Box 2092 Terminal Annex, Los Angeles, and P. O. Box 1270, San Diego; Neil Distributors, Inc., 210 N. Ralph St., Spokane; John E. Amberg Co., 757 Harrison St., Seattle; Seaport Appliance, Inc., 3055 N. W. Yeon Ave., Portland.

ADVANCE TRANSFORMER CO., 2950 N. Western Ave., Chicago, Ill.—Branch offices: 5014 Hampton St., Los Angeles, and 303 Portage Ave., Palo Alto, Calif.; Pete Bach Electric, 1233 N. W. 12th Ave., Portland; Nelson Co., 710 E. Louisiana Ave., Denver; Bob Wilkinson, P. O. Box 1871, Salt Lake City; Lyle Heaton, 602 123rd, N. E., Bellevue, Wash.; William Kessnar, 5406 N. 44th St., Phoenix.

AEMCO INC. (formerly Automatic Electric Mfg. Co.), 10 State St., Mankato, Minn. — R. B. Clapp Co., 5404 Alhambra, Los Angeles 13; The Ballard Co., 407 Sansome St., San Francisco; J. E. Way, 925 Westlake Ave. N., Seattle.

AERO & INSTRUMENT DIV., Robertshaw-Fulton Controls Co., Santa Ana Freeway at Euclid Ave., Anaheim, Calif.—R. E. Donelson, P O Box 5785, Portland; Peterson Co., 4949 Colorado, Denver 16; Carkeek Eng. Co., 285 S. Euclid Ave., Pasadena, Calif.; Stillson Associates, 35 Orinda Way, Orinda, Calif.; George S. Thompson Co. Inc., 316 Central S. E., Albuquerque; and 915 South Central Ave., Phoenix; Controls Systems Inc., 455 E. 4th South, Salt Lake City 11; Continental Laboratories, Inc., 1402 Central Ave., Billings, Mont.; Honolulu Iron Works, P O Box 3140, Honolulu, Hawaii.

AERO RESEARCH INST. CO., INC., 315 N. Aberdeen, Chicago, Ill.—A. C. Catland Co., 4645 Van Nuys Blvd., Sherman Oaks, Calif.; Cerruti & Associates, 116 Cypress St., Redwood City, Calif.; Burt C. Porter, 1209 Poplar Pl., Seattle and P O Box 7854, Portland, Ore.; Brooks-Feeger & Assoc., in following cities: 5510 Domingo Rd., N. E., Albuquerque; 3041 S. Broadway, Englewood, Colo.; 34-A E. First St., Scottsdale, Ariz.; 253 Rio Grande, Salt Lake City.

AERO SERVICE CORP., 210 E. Courtland, Philadelphia 20, Pa.—E. E. Dando, 68 Post St., San Francisco 4; Herbert Lee, 33 Richards St., Salt Lake City.

AEROTEC INDUSTRIES INC., Greenwich, Conn.—Thomas Machinery Sales, Inc., 2173 Colorado Blvd., Los Angeles; Fulcher Co., 24 California St., San Francisco; Landes, Zachary & Peterson Co., 601 S. Jason St., Denver; 4900 Domingo Rd., N.E., Albuquerque, and 2137 Mills St., El Paso; Fairman B. Lee Co., 241 Central Bldg., Seattle.

AEROVENT FAN CO., INC., Ash and Ball Sts., Piqua, Ohio—Sharpe Eng. Co., 1266 S. Boyle Ave., Los Angeles; George E. Mead, 501 Arctic Bldg., Seattle 4; Mead & Associates, 317 S.W. Alder, Portland; Rex R. Reece, 5228 F St., Sacramento; Aero Supply Co., Box 3398 (Alcott Sta.), Denver; W. M. Walterskirchen, Box 1163, Missoula, Mont.

AGASTAT ELIZABETH DIV., ELASTIC STOP NUT CORP. OF AMERICA. See Elastic Stop Nut, Elizabeth Division.

AIR-LECTRIC TOOLS, 6210 Compton, Los Angeles 1, Calif.

AIR-MAZE CORP., Cleveland, Ohio—Jules D. Gratiot Co., 3423 Verdugo Road, Los Angeles 65.

AIRPOWERED HOT-STICK, INC., (see Auto Hot-Stick.)

AIR PREHEATER CORP., 60 East 42nd St., New York City—Branch: 714 West Olympic Blvd., Los Angeles.

AIR-TRON, INC. (Formerly Roy C. Stove Co.), 3536 W. 16th St., Indianapolis, Ind.—Westinghouse Electric Supply, General Electric Supply and Sylvania Electric Supply houses in all principal cities.

AJAX ELECTROTHERMIC DIV. (See Ajax Magnethermic Corp.)

AJAX ENGINEERING CORP., Lalor & Hancock Sts., Trenton, N. J.—A. W. Nash Co., 2112 So. Atlantic Blvd., Los Angeles 22.

AJAX FLEXIBLE COUPLING CO., INC., Portage and English Sts. Westfield, N. Y.—Samson Sales, 420 Market St., San Francisco; A. W. Nash, 2112 S. Atlantic Blvd., Los Angeles 22; Haultain-Champion Co., 320 East 8th St., Oakland 6; J. S. Thurlow, 2405 Eleventh Ave., S. W., Seattle 4.

AJAX MAGNETHERMIC CORP., Youngstown Div., Trenton Div., 3990 Simon Road, Youngstown 1, Ohio—Reuel E. Jennings, 1504 W. Commonwealth, Fullerton, Calif.; Tracy C. Jarrett, P O Box 7697, Denver 15.

ALADDIN HEATING CORP., 1111 West Ave. 137, San Leandro, Calif.

ALBERTSON & CO., INC., 3100 Lowell Ave., Sioux City, Iowa—C. C. Beebe, 2058 W. 78th Place, Los Angeles; N. A. Post, 10308 S. Julius Ave., Downey, Calif.; K. E. Lagerberg, 2121 Routt Road, Denver 15; J. M. Cornish, 400 Perkins St., Oakland; A. E. Mjoen, 3312 E. Republican, Seattle Dale Thompson, W. 1423 Glass, Spokane.

ALCO VALVE CO., 865 Kingsland Ave., St. Louis 5, Mo.—**Pacific Scientific Co. (in following cities),** 760 Harrison St., San Francisco; 6280 Chalet Dr (Los Angeles), Bell Gardens, Calif.; 1218 S. E. 7th Ave., Portland, and 421 Michigan St., Seattle.

ALKALINE BATTERIES CO., 750 Natoma St., San Francisco 3; David Fry Co., Box 3803, Portland, Ore.

ALKCO MFG. CO., 4224 N. Lincoln Ave., Chicago, Ill.—M. J. Hooey and Sales Affiliates, 1250 Phelps St., San Francisco; Lee Davis, P. O. Box 485, Anaheim, Calif.; David M. Merrill, 192 N. First East, Farmington, Utah; Eugene M. Dorman, 2501 Ninth Ave. W., Seattle; Gregg N. Cloos, 977 Jackson St., Denver.

ALLEGHENY LUDLUM STEEL CORP., 2020 Oliver Bldg., Pittsburgh, Pa.—Branch offices, Box 6848, Los Angeles 22; 36 Berry St., San Francisco 7; Terminal Sales Bldg., Portland 5; 3327 White-Henry Stuart Bldg., Seattle 1.

ALLEN COMPANY, INC., L. B., 9310 Berenice (Metropolitan Chicago), Schiller Park, Ill.—Jack Coffin Co., 1601 East 48th St. South, Salt Lake City 7. Write Box LBA, c/o Elec. West, 255 California St., San Francisco 11, Calif., for Western sales offices. In process of change when issue went to press. **(See ad, p. 2)**

ALLEN-BRADLEY CO., 136 W. Greenfield Ave., Milwaukee, Wis.—Branch Office: 1264 S. Boyle Ave., Los Angeles 23; Campbell & George Co., 1601 Cortland Ave., San Francisco 10; Young Electric & Mfg., 2134 Curtis St., Denver 5; James A. Setchell, 7915 Nichols St., San Diego 1; A & A Supply Co., 114 Morningside Dr., N. E., Albuquerque, N. M.; Stevens Sales Co., 1476 Major St., Salt Lake City 10; Edw. P. Weller & Co., 6708 No. 48th St., Phoenix; J. A. Tudor Associates, Inc., 2605 Western Ave., Seattle 1, and 1004 S.E. Belmont St., Portland 14; W. Bert Knight Co., 10377 W. Pico Blvd., Los Angeles 64, Calif. Stocking Distributor: Phillips & Edwards Elec. Corp., 265 Vermont St., San Francisco 3; Redwood City, Stockton. Incandescent Supply Co., Redding.

ALLEN COOLER & VENTILATOR, INC., 704 Woodward Ave., Rochester, Mich.—Air Equip. Sales Co., 3020 Glendale Blvd., Los Angeles 31; GMW Sales, Inc., in following cities: P. O. Box 208, Butte, Mont.; Dunham Bldg., Denver, and Continental Bank Bldg., Salt Lake City; Goodyear Rubber & Supply Co., 205 N. W. 5th Ave., Portland; J. C. Kelly Co., 1. 3008 Trent Ave., Spokane 24; Oliphant Commercial Corp., 1287 66th St., Emeryville, Calif.

ALLEN-STEVENS CONDUIT FITTINGS CORP., 33 62nd St., Woodside, N. Y.—Bergman-Marshall, Inc., 1333 Van Dyke Ave., San Francisco; Sam Gamson, 223 S. McCarty Dr., Los Angeles; H. M. Denny Co., 3410 16th Ave., West, Seattle; D. A. Steinkamp & Co., 16 Wazee Market, Denver.

ALLEN MANUFACTURING CO., Bloomfield, Conn.—George R. Newton, 6935 E. Bandini Blvd., Los Angeles 22; Robert P. Marks, 1485 Bayshore Blvd., San Francisco 24.

ALLIED MOULDED PRODUCTS, INC., N. Union, Bryan, Ohio—Delta Electric Supply Co., 2545 N. Rosemead Blvd., El Monte, Calif.; Guy de Leuze Co., 1923 Bryant St., San Francisco 10.

ALLIED TUBE & CONDUIT, Blue Island, Ill.—Paul D. Jacobs, 420 Market St., San Francisco.

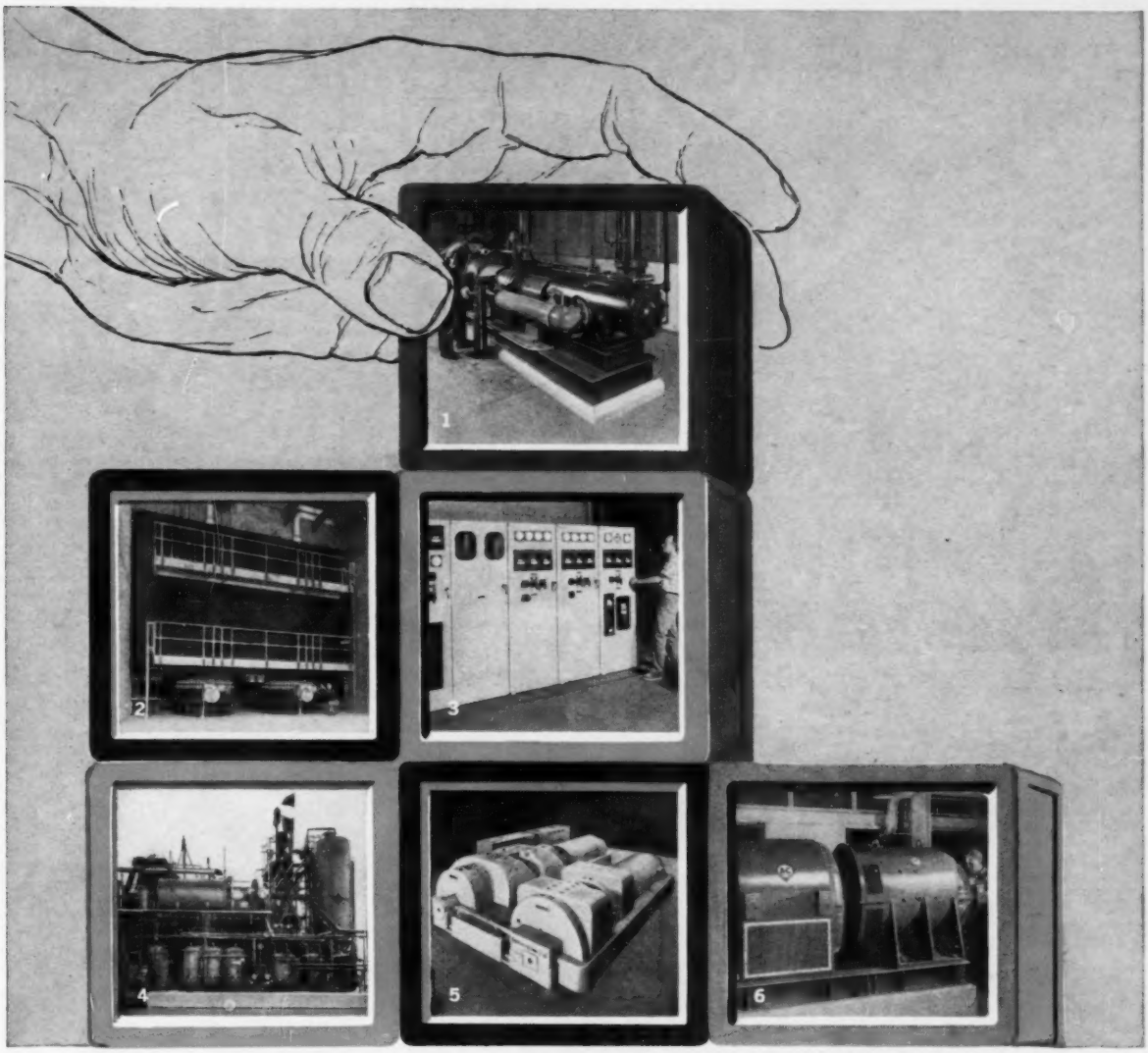
ALLIS-CHALMERS MFG. CO., P. O. Box 512, Milwaukee, Wis. — Construction Machinery Division Branches: E. D. Blank, Manager, 1305 S. E. Union Ave., Portland 14; L. A. Hertel, Manager, 655 Broadway Bldg., Suite 805, Denver 3; D. F. Bryant, Manager, 1400 Park Ave., Oakland, Calif.

ALLIS-CHALMERS MFG. CO., 1126 S. 70th St., Milwaukee, Wis.—T. E. Meyers, Manager, Pacific Region, 41 Sutter St., San Francisco. District Offices: G. K. Lewis, Manager, 142 Sansome St., San Francisco; D. E. Steele, Manager, 417 S. Hill St., Los Angeles; W. J. Myers, Branch Mgr., 747 Ninth Ave., San Diego; W. C. Henderson, Manager, 2300 S. E. Beta St., Portland; S. C. Bacon, Manager, 1325 4th Ave., Seattle; R. D. Moody, Manager, Rocky Mountain Region. District Offices: L. B. Gay, Manager, 655 Broadway Bldg., Denver; B. A. Seare, Manager, 136 S. Main, Salt Lake City; W. D. Nesbeitt, Manager, West 12 Indiana Ave., Spokane; H. C. Blair, Mgr., 3300 North Central Ave., Phoenix; J. H. Jones, Manager, 502 Electric Bldg., El Paso. **(See ad, p. 3)**

ALLIS CO., LOUIS, 427 E. Stewart St., Milwaukee, Wis.—The Louis Allis Co., 1275 Rollins Rd., Burlingame, Calif.; 700 5th Ave. S., Seattle; 2035 S. W. 58th Ave., Portland, and 4405 E. Olympic Blvd., Los Angeles; 2801 E. Colfax, Denver 6; Roy E. Coulson Co., 8050 N. 3rd Ave., Phoenix; Elec'l Sales Co., P. O. Box 49, Sugarhouse Sta., Salt Lake City.

ALLIS-CHALMERS

A-1271



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(See listing, Sales Offices, p. 2)

(See listing, Sales Offices, p. 1)

ALLMETAL ENGINEERING, INC., 1003 S. Date Ave., Alhambra, Calif.—L. M. Baxter Co., 1238 N. W. Glisan St., Portland; Roth Sales Co., 630 Jasmine St., Denver.

ALL-STEEL EQUIPMENT, INC., 245 John St., Aurora, Ill.—The Senderlin Co., 129 First Ave. W., Seattle and 56 S.E. Belmont St., Portland 14; Gaer Sales 1223 Quivas St., Denver 4; Elkins Elec. Agency, 235 S. Alameda St., Los Angeles 12; Stanley Sales, 1122 Folsom St., San Francisco.

ALPHA ELECTRIC PRODUCTS CO., 3625 N. Halsted St., Chicago, Ill.—Western Control Equipment Co., 14615 Ventura Blvd., Sherman Oaks, Calif.

ALPHA METALS INC., 56 Water St., Jersey City, N. J.—Branch 2343 Saybrook Ave., Los Angeles 22.

ALPHA WIRE CORP., 200 Varick St., New York City —Branch office: 11844 Mississippi Ave., Los Angeles; Perlmuth Electronic Associates, 3057 W. Washington Blvd., Los Angeles 16; Samuel N. Stroum Co., 621 Michigan, Seattle 4; Bill Kolans & Co., 219 California Dr., Burlingame, Calif.; Hyde Electronics Co., 888 S. Lipan St., Denver 23.

ALPHADUCT WIRE & CABLE CO., 25 Van Dyke Ave., New Brunswick, N. J.—Leich Sales Corp., 11401 West Pico Blvd., West Los Angeles, Calif.; Automatic Electric Sales Corp., 55 New Montgomery St., San Francisco; 4415 W. Pico Blvd., Los Angeles 19, and 644 Central Bldg., Seattle 4.

ALRECTIC DIVISION, McGraw - Edison Co., 2101 Brooklyn Road, Jackson, Mich.—Aluminum Fabricators. Substations available through any switch manufacturer; Transmission and Distribution Poles exclusively through Line Material Industries sales offices. Branches in all principal cities.

ALUMINUM BODY CORP., Washington St. at Vail, Montebello, Calif.

ALUMINUM COMPANY OF AMERICA, Alcoa Bldg., Pittsburgh, Pa.—Branch Offices: 1840 Ogden Dr., Burlingame, Calif.; 1145 Wilshire Blvd., Los Angeles; 1411 4th Ave. Bldg., Seattle; 309 S. W. 6th, Portland. (Rome Cable Div. under Rome.)

ALUMINUM PRODUCTS, INC., P. O. Box 1462, Fort Lauderdale, Fla.—Branch Office: 805 Foothill Dr., San Mateo, Calif.; M. C. Guire Co., 715 S. York St., Denver; Industrial Engineering & Equipment Corp., 2975 Wilshire Blvd., Los Angeles 13; Pacific Utilities Supply Co., 141 King St., San Francisco; Electrical Contractors Supply Co., 205 S. 3rd, Pocatello, Ida.; Air-Mac, Inc., 3838 4th Ave. S., Seattle.

ALWALT MFG. COMPANY, 1706 Lapham Drive, Modesto, Calif. — Guenther & Tate Co., 825 Taylor Ave., No., Seattle 9, and 79 S. E. Taylor, Portland; Agencies Co., 836 Traction Ave., Los Angeles 13; Easter-Owens Electric Co., 610 S. Lipan St., Denver 23; James D. Stephens, P. O. Box FG123, Salt Lake City; Brill Electric Sales, 123 Kansas St., San Francisco 3; Hugh L. Bargion, P. O. Box 3679, Honolulu 11, Hawaii; Wm. Benndorf, 221 E. Camelback Rd., Phoenix, Ariz.

AMADCO—(See Associated Manufacturers & Distributors)

AMCO PLASTIC PIPE CO., 2002 Davis St., San Leandro, Calif.; Howe & Howe, 4328 N. 42nd St., Phoenix.

AMERICAN BLOWER DIV. (see American Standard Industrial Div.)

AMERICAN BRASS CO., Anaconda Metal Hose Division, 698 South Main St., Waterbury 20, Conn. (See Anaconda Metal Hose)

AMERICAN CHAIN & CABLE CO., INC., AMERICAN CHAIN DIVISION, 454 E. Princess St., York, Pa.—Branch offices: 6800 E. Acco St., Los Angeles; 890 Tennessee St., San Francisco; 2210 N. W. Roosevelt St., Portland, and 4555 E. 46th Ave., Denver.

AMERICAN CHAIN & CABLE CO., INC., Page Steel and Wire Div., 1st and River Sts., Monessen, Penna.—Branch offices: 6800 E. Acco St., Los Angeles; 890 Tennessee St., San Francisco, and 4555 E. 46th Ave., Denver; Maydwell & Hartzell, Inc., in following cities 870 Tennessee St., San Francisco 7, 6400 Corvette St., Los Angeles, 206 W. Island Ave., San Diego, 120 S. 29th St., Phoenix, 2318 N. W. Vaughn St., Portland 10, P. O. Box 415, Medford, 1216 Poplar Place S., Seattle, 121 S. Monroe St., Spokane 8, 906 E. 16th St., Tucson, 503 S. Arizona St., Butte.

AMERICAN CONTROL CORP., 133 E. Palmer Ave., Compton, Calif.

AMERICAN CROSSARM & CONDUIT CO. DIV. (See A. B. Chance Co.)

AMERICAN ELECTRIC CABLE CO., 181 Appleton St., Holyoke, Mass.—Walter E. Pollock & Assoc., 1472 Cardiff Ave., Los Angeles 35; Electrical Mfg. Rep. Inc., P. O. Box 3425, Terminal Annex, Los Angeles; Howell Sales, Inc., 4637 Dudley, Arvada, Colo.

AMERICAN ELECTRIC FURNACE, INC., 300 Freeport St., Boston 22, Mass.—Allied Northwest Machine Tool Corp., 103 S. W. Front Ave., Portland 4, and 1921 First Ave., S., Seattle 4.

AMERICAN ELECTRIC HEATING & AIR COND CORP., 638 N. Robertson Blvd., Los Angeles—Pacific Wholesale Electric Co., 711 Union St., San Diego 12; Cowan Products Co., 808 R St., Sacramento 14, Calif.; Columbia Sales, 721 Dearborn St., Seattle 4.

AMERICAN ELECTRIC MFG. CORP., 3271 Chelsea Ave., Memphis, Tenn.—Ralph L. Mooney, 540 E Rose Lane, Phoenix; R. E. Cunningham & Sons, 530 W. 6th St., Los Angeles; Paul S. Everley Co., 550 9th St., San Francisco; Thomas S. Wood Co., 229 9th Ave. N., Seattle; R & M Sales, 2214 S. Clayton, Denver; Utilities Supply Co., 419 S. 7th, Phoenix.

AMERICAN ELECTRIC SWITCH DIV., Clark Controller Co., 1146 East 152nd St., Cleveland 10 Ohio—The Clark Controller Co., 4755 E. 49th St., Los Angeles 58, 1770 Yosemite Ave., San Francisco; Andrew L. Polich, Inc., 734 N. W. Glisan St., Portland 9; H. M. Denny Co., 3410 16th Ave. West, Seattle 99.

AMERICAN ELECTRICAL HEATER CO., 6110 Cass Ave., Detroit 2, Mich.—Maddox Sales Co., 914 East Third St., Los Angeles 13, 420 Market St., San Francisco and 5709 North 19th Place, Phoenix; Patterson Associates, Boeing Field, Seattle; Watwood Sales Co., 2825 Grape St., Denver 7.

AMERICAN ELECTRONICS, INC., 1594 East Ross Ave., Fullerton, Calif. — Electro-Mechanical Div., 1596 E. Ross Ave., Fullerton, Calif.; Instrument Division, 9503 West Jefferson Blvd., Culver City, Calif.; Industrial Machinery Div., 1598 East Ross Ave., Fullerton, Calif.; Precision Power Div., 1598 East Ross Ave., Fullerton, Calif.; American Laboratories Div., 1536 East Ross Ave., Fullerton, Calif.; Taller Cooper Div., 75 Front St., Brooklyn, N. Y.

AMERICAN ENGINEERING CO., Wheatsheaf Lane and Sepviva St., Philadelphia 37, Pa. (Hoist) — F. E. Bennett Co., 426 N. W. 6th, Portland; Elder Co., 333 Seventh St., San Francisco; Foster Equipment Co. Ltd., 719 Ahua St., Honolulu, Hawaii; Cordes Bros. (Marine), 45 California St., San Francisco, and 305 W. F St., Wilmington, Calif.

AMERICAN EQUIPMENT & BODY CO., 1461 E. Washington, Los Angeles.

AMERICAN FLEXIBLE CONDUIT CO., 969 Shawmut Ave., New Bedford, Mass.—Thomas D. Noble Co., 210 12th St., San Francisco; Pacific Electric Sales Co., 140 S.E. 28th Ave., Portland; California Conduit & Cable Co., 2204 Orange St., Alhambra, Calif.

AMERICAN FLEXIBLE DIV., Zurn Industries, Inc., 1840 Pittsburgh Ave., Erie, Pa.—Bearing Sales & Service, Inc., 2908 Sixth Ave., South, Seattle 4, and 1645 N. W. Hoyt St., Portland; Mark-Costello Co., 6511 Whittier Blvd., Los Angeles 22, and 3022 Voltaire St., San Diego.

AMERICAN LAVA CORP., Cherokee Blvd. and Mfgr.'s Road, Chattanooga, Tenn. — Minnesota Mining & Mfg. Co., 320 Shaw Road, South San Francisco, Calif.; 6023 S. Garfield Ave., Los Angeles 22, and 3663 First Ave., South, Seattle 4.

AMERICAN LIGHTING EQUIPMENT CO., 1429 S Eastern Ave., Los Angeles 22.

AMERICAN MACHINE & METALS, INC. (De Bothezat Fans Div.), 48 Thomas St., East Moline, Ill. — See De Bothezat Fans Div.). Branch: Burlingame, Calif.; 1201 Folsom St., San Francisco; Hubert Kaub & Co., 1025 Santa Fe Dr., Denver.

AMERICAN METAL FORMING CO., Cleveland, Ohio —Paul D. Jacobs Co., 420 Market St., San Francisco.

AMERICAN METAL MOULDING CO., 146 Colt St., Irvington, N. J.—Everett T. Vonier, Inc., 1160 Elati St., Denver 4.

AMERICAN MOULDED PRODUCTS CO., Bryan, Ohio —Guy deLeuze Co., 1923 Bryant St., San Francisco.

AMERICAN OPTICAL CO., Mechanic St., Southbridge, Mass. — American Optical Co., Safety Products Div., 25 Kearny St., San Francisco; 1433 Cole Place, Hollywood; 312 Dexter Ave. N., Seattle, and 644 Delaware St., Denver.

AMERICAN PAMCOR., INC., 181 Hillcrest Ave., Havertown, Pa.—Peters-deLeet, Inc., 1606 Rollins Rd., Burlingame, Calif.; 1277 S. W. 11th, Portland 5; 1331 Third Ave., Seattle; 212 Beason Bldg., Salt Lake City, and 1207 W. College, Spokane. Branch: 3138 W. El Segrendo Blvd., Hawthorne, Calif.

AMERICAN PIPE AND CONSTRUCTION CO., 4635 Firestone Blvd., South Gate, Calif. — Branches: 2001 W. Alquire Rd., Hayward, Calif.; 2910 Kurtz St., San Diego; Peerless Concrete Pipe Corp.,

2501 W. 5th St., Santa Ana; American Pipe & Const., 518 N. W. Columbia Blvd., Portland; American Concrete Pipe Co., 2325 S. 7th St., Phoenix and 5100 Williams St. S. E., Albuquerque; American Concrete Pipe of Hawaii, P O Box 1206, Waipahn, Oahu, Hawaii.

AMERICAN PULLEY CO., 4200 Wissahickon Ave., Philadelphia, Penna.—Roy E. Martinez, 438 Holly Ave., South San Francisco; William Moss, 2640 Strozier St., El Monte, Calif.; Don E. Booze, 1440 N. Greenview Dr., La Habra, Calif.; Northwest Chain & Sprocket, 3628 E. Marginal Way, Seattle; Bearing Engineering, 1019 Harrison St., Oakland, Calif.; The Galligher Co., 545 W. 8th So., Salt Lake City; Northwest Chain & Sprocket, 31 N. W. First Ave., Portland.

AMERICAN SAW & MFG. CO., Boylston and Emery St., Springfield, Mass.—The Wayne C. Wells Co., 6055 N. E. Glisan, Portland.

AMERICAN SCREW CO., 1662 West Main St., Willimantic, Conn.—David Winslow Co., 25 California St., San Francisco 11; Ralston R. Cunningham Co. Inc., 71 Columbia St., Seattle 4; Clarence F. Herrmann Co., 420 S. San Pedro St., Los Angeles 13; P. W. Sheppard & Associates, 1219 California St., Denver.

AMERICAN SEALANTS CO., 353 N. Mountain Rd., Hartford 11, Conn.—Northwest Sales & Eng. Service, 420 Market St., San Francisco, and 915 Terminal Bldg., Seattle; Don Porter Co., 1117 S. Robertson Blvd., Los Angeles 35 and 711 Tarento Dr., San Diego 6; Paul R. Spencer Co. Inc., 4201 Brighton Blvd., Denver 16 and P. O. Box 1633, Albuquerque, and 2520 S. State St., Salt Lake City.

AMERICAN SOLENOID, Union City, N. J.—Control Switches, 6241 W. 89th St., Los Angeles.

AMERICAN STANDARD, Air Conditioning Division, 40 W. 40th St., New York City—Eickert-Lloyd Co., 1950 Naomi Ave., Los Angeles and 1225 Sixth St., San Francisco.

AMERICAN STANDARD, Industrial Division, 1900 First Ave., San Leandro, Calif. Branch offices: 132 S. Central Ave., Phoenix; 2411 West 8th St., Los Angeles 57; 5709 Freeport Blvd., Sacramento 22; 821 Market St., San Francisco 3; Suite 206, Colorado Grange Bldg., Denver, 11; 209 M and R Bldg., Billings, Mont.; 142 Monroe N. E., Albuquerque; 1879 South Main St., Salt Lake City 15; 1305 Republican St., Seattle 9.

AMERICAN STEEL & IRON WORKS, 5801 S. Lowe Ave., Chicago, Ill.—West Pacific Sales Co., 1825 S. W. 6th Ave., Portland, and 325 Second Ave. West, Seattle; Electric Sales Corp., 211 Umatilla, Denver 23; John W. Reynolds, 1481 S. Main St., Salt Lake City; Frank J. Hornsby, 753 42nd Ave., San Francisco.

AMERICAN STEEL & WIRE DIV., U. S. Steel Corp., 842 Rockefeller Bldg., Cleveland, Ohio—Columbia Geneva Steel Div., U. S. Steel Corp., in following cities; 120 Montgomery St., San Francisco; 2087 E. Slauson Ave., Los Angeles; 2345 N.W. Nicolai St., Portland; 7th Ave. & Olive Way, Seattle; Walker Bank Bldg., Salt Lake City 1.

AMERICAN SWITCH DIV., CLARK CONTROLLER—(See Clark Controller)

AMERICAN THERMOSTAT CORP., Rte. 23, South Cairo, N. Y.—Sales Engineers, Ltd., 7919 Monroe St., Paramount, Calif.

AMMERMAN CO., INC., P. O. Box 182, Stillwater, Minn.—Charles S. Davis, 3529 Monte Vista Blvd., N. E., Albuquerque; Tenaire, Inc., 1029 N. 1st St., Phoenix; W. H. Welch, 701 6th Ave. N., Seattle; Mueller Eng. Co., 909 E. 2nd St., Butte; James L. Ewald, 9 N. 5th St., Redlands, Calif.

AMPERE INDUSTRIES, 60 Boston St., Newark 3, N. J. —W. E. Ferris, 422 W. Roses Road, San Gabriel, Calif. (Industrial Processing Elements only) Space Heating from Newark, N. J. only.

AMPEX CORP., Instrumentation Division, 934 Charter St., Redwood City, Calif.—Branch: 8467 Beverly Blvd., Los Angeles, and 331 Town & Country Village, Palo Alto, Calif.

AMPLEX CORPORATION—The Sanderlin Co., 129 1st Ave. West, Seattle, and 56 S.E. Belmont St., Portland; Ray J. Noel, 4315 S. Western Ave., Los Angeles; Wm. Benndorf Co., 221 E. Camelback Road, Phoenix; L. S. Reed Co., 1018 Lawrence St., Denver; R. Lagerstrom, 2739 Tenth Ave., Oakland 6.

AMPROBE INSTRUMENT CORP., 630 Merrick Rd., Lynbrook, N. Y.—Maddox Sales Co., 914 E. 3rd St., Los Angeles, 420 Market St., San Francisco and 5709 North 19th Place, Phoenix; Northwestern Agencies, Inc., 4130 First Ave. South, Seattle; The Darger Co., 211 South 2nd West, Salt Lake City; R. D. Florance & Assoc., 2052 Humboldt St., Denver; Dougherty Enterprises, 334 Ilimalia Loop, Kailua, Hawaii.

ANACONDA METAL HOSE DIVISION, The American Brass Co., 698 South Main St., Waterbury, Conn. Los Angeles district office, 14900 Garfield Ave., Paramount, Calif.; San Francisco district office, 2150 Franklin St., Oakland 12, Calif.

ANACONDA WIRE & CABLE CO., Executive and Sales Headquarters, 25 Broadway, New York 4; Manufacturing and Engineering Headquarters, Hastings-on-Hudson 6, N. Y.; A. W. Tracy, District Manager, 2626 Malt Ave., Los Angeles 22; W. K. Gaylord, District Manager, Post Van Ness Center, 1255 Post St., San Francisco 9; H. M. Wenzel, District Manager, 810 Tower Bldg., 7th Ave. and Olive Way, Seattle 1; K. G. Eaton, District Manager, Room 706, Railway Exchange Bldg., 909 Seventeenth St., Denver 2; E. S. McGlone, District Manager, Room 530, First Security Bldg., 405 South Main St., Salt Lake City 11; D. O. Nicholson, District Manager, Room 419, Central Towers Bldg., 2727 North Central Ave., Phoenix 4; Orange, Calif., Mill: P. O. Box 109, 303 W. Palm Ave.; Redwood City, Calif., Mill: 2201 Bay Road.

ANCHOR MANUFACTURING CO., P O Box 959, Manchester, N. H.—Muth-Richards Co., 1804 Bush Place So., Seattle; Tudor & Associates, 1004 S. E. Belmont St., Portland; L. S. Reed & Co., 1018 Lawrence St., Denver; John Elggren, 214 West Fourth St., Salt Lake City; Michel Brothers, 1403 East 20th St., Los Angeles 11.

ANCHOR WEBBING CO., Pawtucket, R. I.—Western Fibrous Glass Products Co., 739 Bryant St., San Francisco, and 4423 Fruitland, Los Angeles.

ANCHOR WIRE CORP., 183 Jamaica Ave., Jamaica 3, N. Y.—Victor Hannon Co., 606 S. Hill St., Los Angeles 14; 681 Market St., San Francisco 5; and 1502 Olive Way, Seattle 22.

ANDALE CO., 1746 Cherry St., Philadelphia 3, Pa.—Oliver B. Lyman, 55 New Montgomery St., San Francisco.

ANDERSON ELECTRIC CORP., P O Box 455, Leeds, Ala.—Representatives: Wraithall and Krusi, Inc., 681 Market St., San Francisco 5; Industrial Eng. & Equipment Corp., 2975 Wilshire Blvd., Los Angeles 5; Muth-Richards Co., 1804 Bush Place So., Seattle 44; Hamilton Associates, 1236 Elati St., Denver 4; Andrew L. Polich, Inc., 734 N. W. Glisan St., Portland 9; Makinney (Hawaii), P O Box 1577, Honolulu, Hawaii. (See ad, 3rd cover)

ANDERSON MFG. COMPANY, Albert & J. M., 289 A St., Boston, Mass.—Industrial Eng. & Equip Corp., 2975 Wilshire Blvd., Los Angeles; North Pacific Electric Agencies, 905 Lloyd Building, Seattle.

ANESITE CO., Plastic Pipe & Tube Div., P. O. Box 135, Santa Barbara, Calif.—Line Materials Industries, 6490 E. Fleet St., Los Angeles 22; E. 3303 Ferry St., Spokane 24; 360 Shaw Rd., So. San Francisco; 1333 N. W. 12th Ave., Portland; and 1220 W. Nickerson, Seattle.

ANEMOSTAT CORP. OF AMERICA, 25 West 43rd St., New York City—Gritton and Wilde, 205 Dooly Bldg., Salt Lake City 1; Hess, Greiner and Polland, 3440 Sunset Blvd., Los Angeles 26, 3719 6th Ave., San Diego, and 1485 Bayshore Blvd., Room 473, San Francisco 24; James-Cooke and Assoc., 211-A Sierra, S. E., Albuquerque, and P. O. Box 3083, El Paso, Tex.; Hennesy Equip. Sales Co., 3841 N. 15th Ave., Phoenix 15; E. H. Langdon Co., 72 Vine St., Seattle 1; H. W. McKenzie Co., 100 N. E. Holladay, Portland 12; John L. Harvey Co., 121 S. Monroe St., Spokane 4; Pearsall Co., 120 W. 5th Ave., Denver 4; Harry Z. Colvin Co., 871 Kapiolani Blvd., Honolulu 13, Hawaii.

ANSONIA WIRE & CABLE CO., 111 Martin St., Ashton, R. I.—Jack Pruzen Co., 1963 1st Ave. S., Seattle 4; Bowden Eng. Sales, 2329-C Wisconsin N. E., Albuquerque; Hill-Rambo Assoc., 418 So. Pine, San Gabriel; Paul D. Jacobs, 420 Market St., San Francisco 11; Wm. C. Strehl, 2005 Murchison Dr., Burlingame, Calif.

ANTENNA SPECIALISTS, 12435 Euclid Ave., Cleveland, Ohio—Don H. Burcham Co., 510 N. W. 19th Ave., Portland, and 422 1st Ave. West, Seattle; C. A. Hansen, 1406 S. Grand Ave., Los Angeles; Logan and Hill, 254 Twelfth St., San Francisco 3.

ANTHONY CO., F. M., 773 University Ave., Berkeley 2, Calif.—John A. Ware & Associates, 301 W. "G" St., San Diego 1; Yetter Sales, 10262 San Pablo Ave(El Cerrito, Calif.; Gilson Supply Co., 1148 East 18th St., Oakland, and Heidt Equipment Co., 1600 East 12th St., Oakland; Northern Valley Ind. Equip. Co., P. O. Box 162, Oswego, Ore.

APPLETON ELECTRIC CO., 1701 W. Wellington, Chicago 13, Ill.—Branch Offices: 1485 Bayshore Blvd., San Francisco; 6450 E. Bandini Blvd., Los Angeles; 1033 Sixth Ave., Seattle; 301 West "G" St., San Diego; 7635 S. W. 82nd, Portland 23, and 777 East 14th Ave., Denver.

APPLETON RUBBER CO., 57 Cornwall St., Boston 30 Mass.—George Kraft Co., 1501 N. W. Kearney St., Portland; Keeler White Co., 615 Seventh St., San Francisco; Suchman Associates, 837 E. 4th Place, Los Angeles.

APPLIANCE BUILDING CO. INC., 1120 West Idaho, Seattle, Wash.—Cliff C. Brown, 4107 W. Holden St., Seattle; L. B. Enoch & Assoc., 9508 S. Main St., Los Angeles; S. M. Purcell, Box 503, Medford, Ore.; Step Sales Agency, 1326 Santa Fe Dr., Denver; Neil W. Wilson, 1331 T St., Sacramento, Calif.; Ernie Stoppelman, Rt. 1, Box 581, Stanwood, Wash.; Bill Fessler, 439 N. Humboldt, Portland; J. C. Gilbertson, 8218 8th South, Seattle.

AQUA-MATIC INC., 2412 Grant Ave., Rockford, Ill. —Montgomery Bros., Inc., 1122 Howard St., San Francisco; 4800 District Blvd., Los Angeles; 1632 N. W. Johnson, Portland; 911 Western Ave., Seattle; 5103 N. Hawthorne, Spokane.

ARCAIR CO., P. O. Box 4227, Bremerton, Wash.—ABSCo., Inc., 4600 W. Jefferson, Los Angeles; Calif. Welding and Equipment Co., 432 Bryant St., San Francisco; Arizona Weld. Equipment, 415 South Seventh, Phoenix; Industrial Specialties, 940 S. E. 7th Ave., Portland; Victor Equipment Co., 840 Folsom St., San Francisco, and 3821 Santa Fe, Los Angeles; Heidt Equipment, 1600 E. 12th St., Oakland; General Distributing Co., 711 10th Ave., So., Great Falls, Mont.; Gibson Welding Supplies, East 218 Trent Ave., Spokane 8; Norco, 1552 River St., Boise, Ida.; Sierra Oxygen Co., 1500 E. 2nd St., Reno; Western Oxygen Inc., 2447 6th Ave. So., Seattle 4; Whitmore Oxygen Co., 430 E. So. Temple St., Salt Lake City.

ARCOS CORP., 1500 S. 50th St., Philadelphia, Penn. —Branch Office: 6222 Chalet Drive, Bell Gardens, Calif.; Industrial Supply Co., 1647 N. 2nd St., Albuquerque; Consolidated Welding Supply, 747 Grand Ave., Phoenix; General Distr. Co., 711 10th Ave. S., Great Falls, Mont.; Bay Cities Welding Equip. Co., 2549 Lincoln Blvd., Venice, Calif.; Western Supply Co., 2334 N. Grand Ave., Pueblo, Colo.; Whitmore Oxygen Co., 430 S. E. Temple St., Salt Lake City; Allan P. James Co., Inc., 430 Ninth St., San Francisco; Fresno Oxygen Co., P. O. Box 1427, Fresno, Calif.; A & R Equipment Co., 5498 Mission Blvd., Ontario, Calif.; United States Welding Works Co. Inc., 600 So. Santa Fe, Denver; New Mexico Welding Supply Co., 633 W. Mermod, Carlsbad, N. M.; Industrial Air Products Co., Highway 99 N., Medford, Ore.; 3200 N. W. Yeon Ave., Portland; 520 W. Columbia St., Kennewick, Wash.; 1900 4th Ave. S., Seattle; E. 4230 Trent, Spokane; and 2325 S. 1st St., Yakima, Wash.

ARIEL DAVIS MFG. CO., 3687 S. State St., Salt Lake City, Utah—Sales Affiliates: 1250 Phelps St., San Francisco. Louis D. Black, 2220 Ocean View Ave., Los Angeles 57; A. L. Perdue, 4305 Ravenswood Ave., Sacramento; Lee Hayes, 322 Wall St., Las Vegas, Nev.; Barney O. Hartley, P. O. Box 4381, Phoenix; L. V. Walker, 542 Thornton Ave., San Francisco; L. S. Reed, 1018 Lawrence St., Denver; Robert E. Davis, 1725 S. W. Wynwood, Portland 25; Evans Supply Co., 122 Social Hall Ave., Salt Lake City; Matt Cabot & Assoc., P. O. Box 3708, Honolulu, Hawaii.

ARIZONA GEAR AND MFG. CO., 3544 E. Fort Lowell Rd., Tucson, Ariz.—Earl S. Condon Co., 3460 Wilshire Blvd., Los Angeles.

ARIZONA PLASTIC EXTRUSION CO., 1347 North 22nd Ave., Phoenix, Ariz.—Industrial Engineering and Equip. Co., 2975 Wilshire Blvd., Los Angeles 5; Utility Supply Co., Denver; Kemper-Heckes-Rice, 1926 San Mateo N. E., Albuquerque, and H. Reiter & Co., 3424 Stanford N. E., Albuquerque.

ARK-LES SWITCH CORP., 51 Water St., Watertown, Mass.—Montgomery Brothers Inc. in following cities: 1122 Howard St., San Francisco; 4800 District Blvd., Los Angeles; 1632 N. W. Johnson St., Portland, and 911 Western Ave., Seattle 4; 5103 N. Hawthorne, Spokane.

ARMATURE COIL EQUIPMENT, INC., 2605 Vega Ave., Cleveland, Ohio—Insulation and Wires, Inc., 255 Loomis St., San Francisco; 6025 S. Garfield, Los Angeles; 1112 N. W. 19th Ave., Portland; 2719 East 5th St., Vancouver, Wash. and 310 Shaw Road, South San Francisco.

ARMITE LABORATORIES, 6669 Broad St., Los Angeles, Calif.—Rutkin Electrical Sales, 744 Kohler St., Los Angeles; Keeler, White, Portland, 523 N. W. Everett St., Portland 9; C. E. Lawton Co., 901 Sherman St., Suite 321, Denver 3; Giles & Co., P O Box 472, Honolulu, Hawaii.

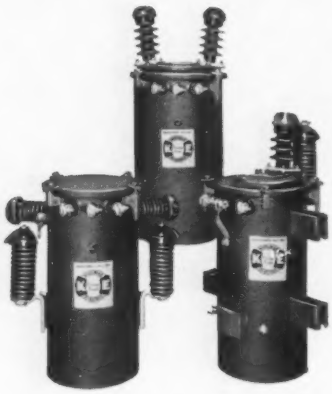
ARRO EXPANSION BOLT CO., N. Boone Ave., Marion, Ohio—Regional Sales Co., 1719 Boulder, Denver; Tom G. Blunden, Bellevue, Wash.; George P. Wilcox Co., 4802 Loma Vista Ave., Los Angeles 58; E. James Smith & Co., 940 "C" Terminal Way, San Carlos, Calif.

ARROLET CORP., Ft. of Bower St., Montgomery, Pa. —Suchman Associates, 837 E. 4th Place, Los Angeles; Henry George Lehl, 14280 S. W. Uplands Dr., Oswego, Ore.

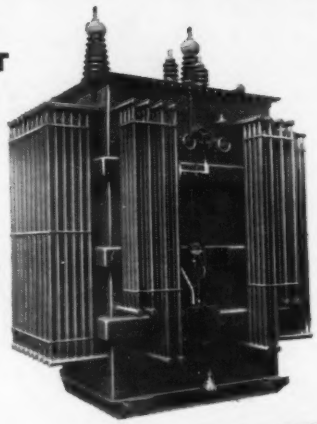
ARROW CONDUIT & FITTINGS CORP., 108-20 18th St., Jamaica 33, N. Y.—Suchman Associates, 837 East 4th Place, Los Angeles.

KUHLMAN TRANSFORMERS

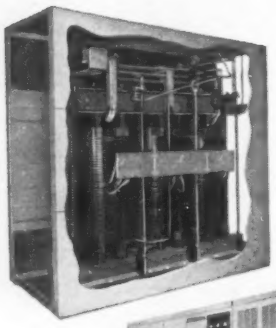
MADE IN THE WEST—TO SERVE THE WEST



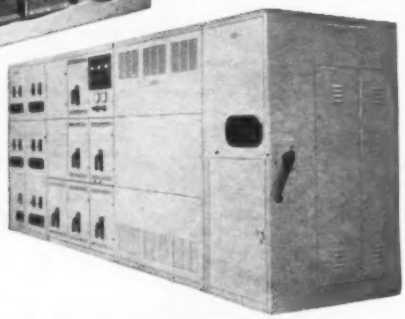
Kuhlman Pole Type, Conventional CSP and rural transformers.



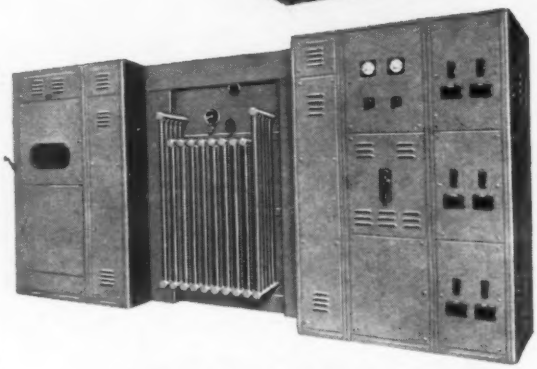
Kuhlman Substation Transformers, 10,000 KVA through 69 KV, single and three phase.



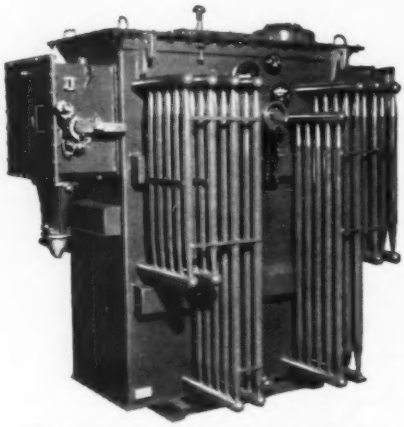
Designed for maximum 80° rise over ambient temperature of 40° C. Supplied as core and coil units, and as enclosed sections.



Dry type transformers for lighting circuits, machine tools, etc.



Indoor power center: Safe-T-Kuhl flush end constructed transformer, primary fused air interrupter switch and low voltage switchgear.



Outdoor power center: Oil-filled weatherproof constructed transformer with primary oil immersed switch and low voltage terminal chamber.

KUHLMAN

ELECTRIC COMPANY

General Offices—Birmingham, Michigan

Western Division—Salinas, California

(See listing, Sales Offices, p. 41)

ARROW FASTENER CO., INC., 1 Junius St., Brooklyn, N.Y.—J. M. Davis Corp., 170 North Robertson Blvd., Beverly Hills, Calif.

ARROW-HART & HEGEMAN ELECTRIC CO., 103 Hawthorne St., Hartford, Conn.—Branch Offices: 120 S. Anderson, Los Angeles, and 277 Pennsylvania Ave., San Francisco 10; Everett T. Vonier Inc., 1160 Elati, Denver; H. A. Hebel, 1117 S.W. Westwood Court, Portland; H. L. Williams, 6335 Wilson Ave., Seattle; Eugene E. McElroy, 4489 Park Blvd., San Diego.

ARTCRAFT LIGHTING CO., INC., 248 McKibbin St., Brooklyn 36, N. Y.—James Mundstock, 417 Market St., San Francisco 11; Gregg Cloos, 977 Jackson St., Denver, Colo.; George Howard, 101 Jones Bldg., Seattle 1; Tri-Western Agency, 1327 Major St., Salt Lake City; Hallek Sales Co., 7120 Dellwood Rd. N. E., Albuquerque; Wm. Benndorf Co., 221 East Camelback Road, Phoenix.

ART METAL CO., 1814 E. 40th St., Cleveland 3, Ohio —The Darger Co., 211 S. Second W. St., Salt Lake City; Heinz & Wells, Marina Mart Bldg., Seattle 9; William A. McGuire, 164 S. Central Ave., Los Angeles; John A. Schulter, 411 Weatherly Bldg., Portland; Chas. A. Blakely, 754 Natoma St., San Francisco; Roy Wendling Co., P. O. Box 3721, Phoenix.

ART SPECIALTY CO., 3720 N. Milwaukee Ave., Chicago, Ill.— Sales Associates, 11111½ S. La Cienga, Los Angeles; State Elec. Supply, 241 10 Street, Oakland; S. F. Lighting Co., 1147 Howard St., San Francisco; Incandescent Supply Co., 833 E. 3rd, Los Angeles, and 647 Mission St., San Francisco; Hollywood Elec. Supply Co., 6820 Romaine St., Los Angeles;I Fox Lamp & Fixture Co., 820 N. W. Glisan, Portland; Keuffel & Esser, 1327 S. Olive St., Los Angeles, and 30 Second St., San Francisco.

ARTOLIER CORP., 141 Lanza Ave., Garfield, N. J.— L. M. Baxter Co., 1238 N. W. Glisan St., Portland 9; Wesco Lighting Agency, 2140 Westwood Blvd., Los Angeles 25; Lester P. Fahey, 2805 Coudry Drive, Boulder, Colo.

ARVIN INDUSTRIES, INC., Big 4 R. R. & 13th St., Columbus, Ind.—James Addox, 13122 N. E. Hancock St., Portland; Everett T. Vonier, Inc., 201 Wyandot St., Denver 23; Dale Brown, 1735 South 23rd East St., Salt Lake City.

ASHEVILLE-SCHOONMAKER MICA CO., 900 Jefferson Ave., Newport News, Va.—Marwood Limited (in following cities), 357 Ninth St., San Francisco; 320 East Third St., Los Angeles; 1714 First Ave. So., Seattle 4; 209 South West First Ave., Portland.

ASPLUNDH CHIPPER CO., Chalfont, Penna. — Sold through distributors.

ASSOCIATED CARBON PRODUCTS, INC., 207 W. Pico Blvd., Los Angeles, Calif.—Sold direct.

ASSOCIATED ENGINEERING CORP., Brookline, Mass.—Randolph Industries, 12202 E. Garvey Ave., El Monte, Calif.

ASSOCIATED MANUFACTURERS & DISTRIBUTORS CORP., 5015 S. E. Haig, Portland, Ore.—Amadco: Shaffer & Nelson, Inc., in following cities: 1001 S. E. Water, Portland, 1415 Main St., Salt Lake City, 1940 Occidental, Seattle, and P. O. Box 198, Spokane; Kenneth Anderson Co., 123 Myers St., Los Angeles 23.

ASSOCIATED RESEARCH, INC., 3789 West Belmont Ave., Chicago 18, Ill.—Alaskan Sales, 826 Whitney Rd., Anchorage, Alaska; Brenner-Fiedler & Assoc., Inc., 7563 Melrose Ave., Los Angeles 46; California Instrument Co., 351 Tenth St., San Francisco 3; Eicher & Co., 5 West Harrison St., Seattle 99; R. E. Cathey & Co., 4950 E. Evans Ave., Denver 22, 1026 Mildred N. W., Albuquerque, and 4874 Andlow Dr., Salt Lake City 17; J. E. Redmond Supply Co., 625 W. Madison St., Phoenix.

ASTRA CORP. — Donald E. Ingalls, 1485 Bayshore Blvd., San Francisco.

ASTROMATIC DIVISION CONTROLS CO. OF AMERICA—Schiller Park, Ill.—136 Washington St., El Segundo, Calif. (See controls Co. of America.)

ATKOMATIC VALVE CO., INC., 545 West Abbott St., Indianapolis, Ind.—Brenner-Fiedler & Assoc., 7563 Melrose Ave., Los Angeles 46; Fred G. Greaves Co., 418 Eighth Ave. N., Seattle, and 499 Concord Bldg., Portland; Claude B. Smith Co., 844 E. 12th St., Oakland; Rocket Components Co., 2950 S. Fox St., Englewood, Colo.

ATLANTIC CONDUIT FITTINGS CO., 450 Western Ave., Boston 34, Mass.—Frank H. Bran Co., 607 E. 6th St., Los Angeles; H. M. Denny Co., 3410 16th Ave. West, Seattle; Electrical Sales, 2445 Clement St., San Francisco.

ATLANTIC METAL HOSE CO. INC., 308 Dyckman St., New York City 34—LZP, 601 S. Jason St., Denver 23, and 2137 Mills St., El Paso, Tex.

ATLAS BRASS FOUNDRY, 1901 Santa Fe Ave., Los Angeles 21, Calif.—Bearing Specialty Co., 2424 Webster St., Oakland, and 128 Texas St., San Francisco; Industrial Specialties Co., 940 S. E. 7th Ave., Portland; Tinling & Powell, Inc., E. 706 Sprague Ave., Spokane; Colorado Ind. Supply Co., 1620 Wazee St., Denver; Pacific Northwest Industries, Inc., 4529 Airport Way, Seattle; George M. Philpott Co., 1060 Bryant St., San Francisco; 2928 Poplar St., Oakland, and 6260 Folsom Blvd., Sacramento; El Paso Machine & Steel Works Inc., 1600 E. 4th St., El Paso, Tex.; Motorman Supply Co., 1241 So. Hill St., Los Angeles.

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ATOMICS INTERNATIONAL, Division of North American Aviation, Inc., Box 309, Canoga Park, Calif.

ATWOOD & MORRILL CO., Salem, Mass.—Oliver B. Lyman Co., 55 New Montgomery St., San Francisco.

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AUTO-GRIP HANGER RINGS—Egbert & Associates, 235 Montgomery St., San Francisco.

AUTO HOT-STICK RENTALS, INC., 438 W. Laurel St., Compton, Calif.

AUTOCON INDUSTRIES INC., Div. Automatic Controls Co., 995 University Ave., St. Paul, Minn.— Hundley Co., 3282 Fletcher Drive, Los Angeles.

AUTOMATIC CONTROL CO., 995 University Ave., St. Paul, Minn.—R. E. LeRiche, 422 Smith Tower, Seattle; Arnold Ambrosini, 420 Market St., San Francisco; Hundley Co., 3282 Fletcher Dr., Los Angeles; M. O. Cannon, P. O. Box 1134, Albuquerque; Wayne Wiscomb Co., Inc., P. O. Box 19, Sugarhouse Sta., Salt Lake City.

AUTOMATIC CONTROLS CORP., 2390 Winewood, Ann Arbor, Mich.—Earl E. Eckstrom, 2601 Second Ave., Eric F. Chemnitz, 1096 Yerba Buena Ave., Emeryville, Calif.

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AUTOMATIC ELECTRIC SALES CORP., Northlake, Ill.—Branch Offices: Automatic Electric Sales, 4415 W. Pico Blvd., Los Angeles 19; 1838 El Camino Real, Burlingame, Calif.

AUTOMATIC SAFETY CO., 848 Marcheta St., Altadena, Calif.—Smedley & Associates, 848 Marcehta St., Altadena, Calif.

AUTOMATIC SIGNAL DIV., Laboratory for Electronics, Inc., Regent St., E. Norwalk, Conn.— W. E. DeYoung, Dist. Sales Mgr., 532 Veteran Ave., Los Angeles 24; Econolite Corp., 8900 Bellanca Ave., Los Angeles 45; 389 Clementina St., San Francisco 3, and Lloyd Bldg., 6th & Stewart St., Seattle; William Z. Harrison Co., 436 Atlas Bldg., Salt Lake City 1; Technical Service Co., 419 Granite N.W., Albuquerque; American Factors, Ltd., P. O. Box 3230, Honolulu 1, Hawaii.

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BADGER METER MFG. CO.—Montgomery Bros., 1122 Howard St., San Francisco, 4800 District Blvd., Los Angeles, 911 Western Ave., Seattle, and 1632 N. W. Johnston St., Portland.

BAHNSON COMPANY, THE, Winston Salem, N. C.— J. E. Edstrom, 1224 S. W. Morrison, Portland; General Combustion Equip. Co., 171 Second St., Rm. 301, San Francisco; Air Equipment Sales Co., 3020 Glendale Blvd., Los Angeles; Boyd Eng. Co., 609 Laurel St., El Paso, Tex.; CBA Co., 1480 Hoyt St., Denver; Boyd Eng. Co., 112 Granite N. W., Albuquerque.

BAILEY METER CO., 1050 Ivanhoe Road, Cleveland 10, Ohio—Branch Offices: 417 Market St., San Francisco, 816 S. Atlantic Blvd., Monterey Park, Calif., 1506 Kearney St., Denver, 200 Broadway Suite 220, Seattle, 2370 Parley's Circle, Salt Lake City and 307 S. E. Clay St., Portland.

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Q. *How can insulator stacks follow normal line sag changes?*

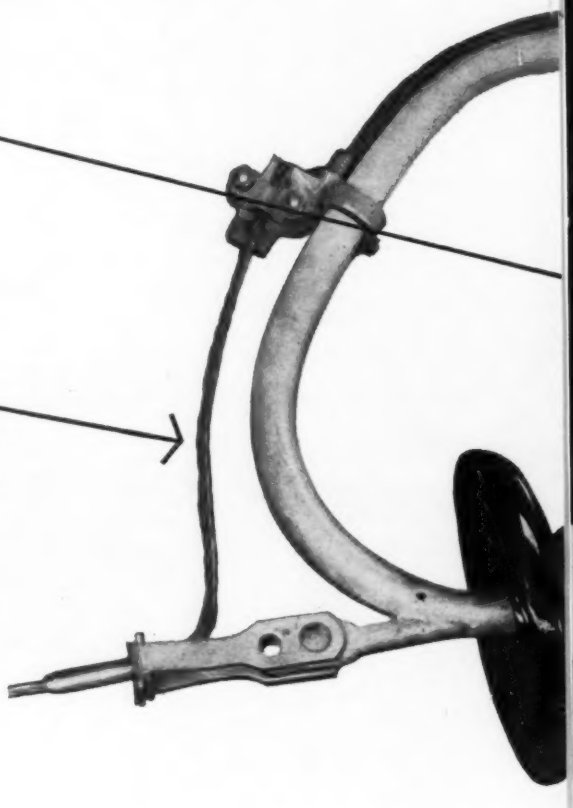
A. The insulator stack bearing units may be likened to limited universal joints. The actual bearing, a monel pin in an everdur trunnion, allows 90° movement of the rotating arm of the phase unit, as well as approximately 7° vertical movement to follow line sag. It is impossible for the bearing to bind under normal line stress, and insulator stacks always follow the sag of the conductor.

Q. *How are conductors connected to KPF switches?*

A. With KPF Type A switches, the user eliminates dead-end insulators. Any standard strain clamp can be used, and hot lines may be dead-ended directly to the phase units. Switch arms and dead-end eyes are integral with the insulator assembly. The conductor is lead through the strain clamp and on to a copper terminal on the switch arm. Aluminum conductors may be connected to the switch arm through special KPF terminals designed for this service. Type A switches may be mounted on a separate crossarm with conductors deadened below or above (for angle-pole installations, etc.). Switch operates equally well with or without line tension.

Q. *For what voltages are KPF air break switches available?*

A. KPF Type A and S standard "line-tension" switches are available for common voltages from 7.5 to 110 KV. Special switches combining a-disconnect with a fuseholder (Type UF, double-cross-arm mounting) and for use where line tension is not present are also offered in these same voltage ranges. Ground switches are available for Type A or S switches. Type R switches are offered for use where line tension is not present or it is desired to use a specific type of apparatus insulator.



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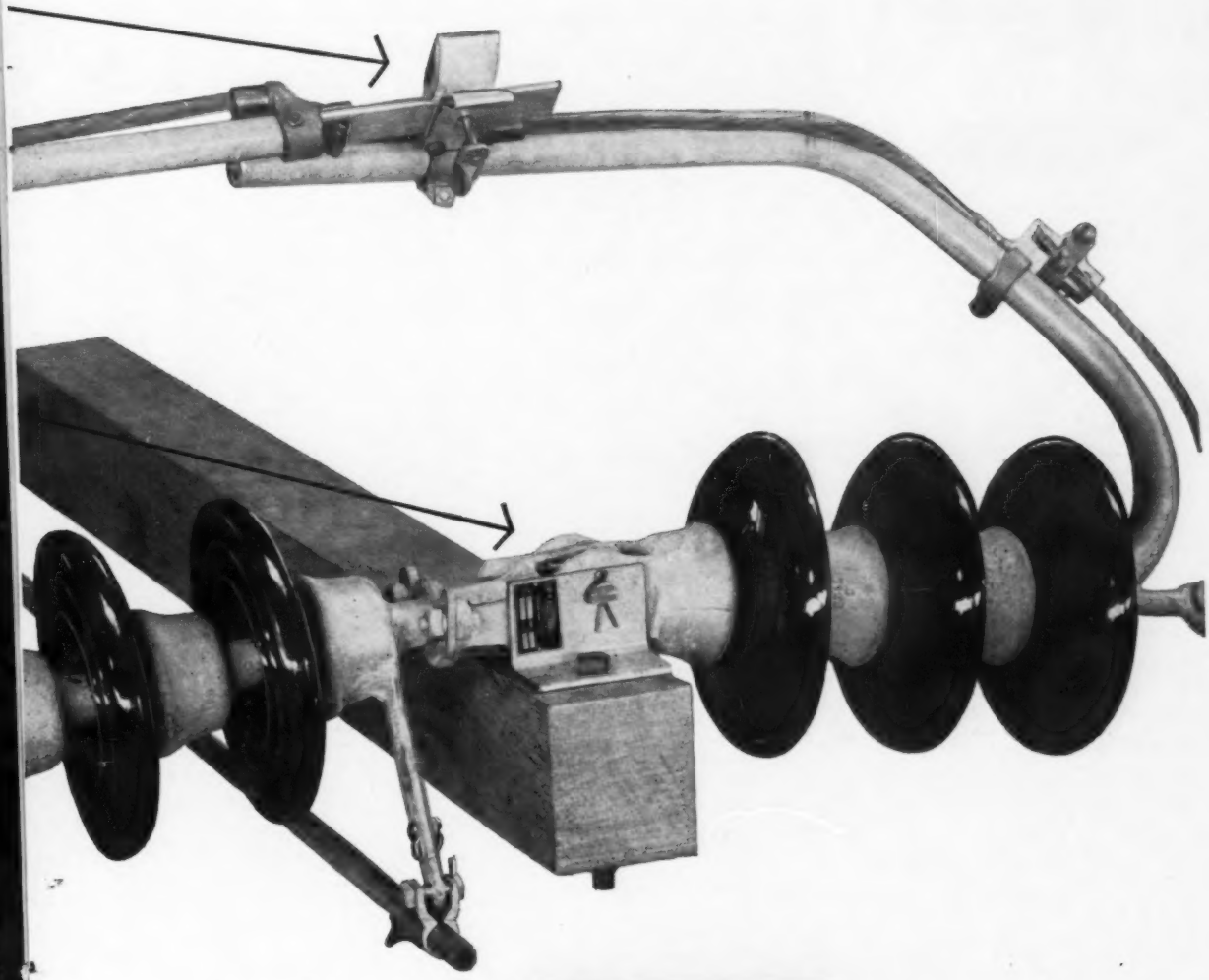

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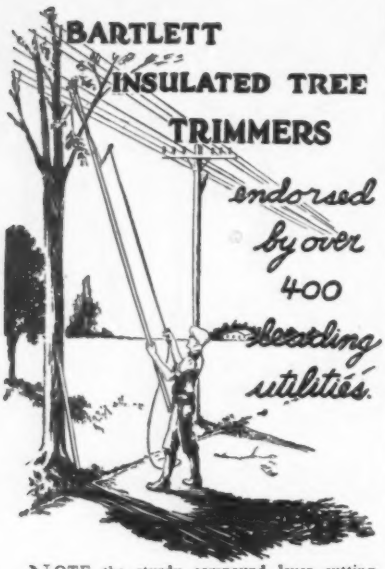

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BARRY CONTROLS, INCORPORATED, 700 Pleasant St., Watertown 72, Mass.—Barry Controls Inc., West Div., 2821 N. Naomi St., Burbank, Calif.

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BAXTER CO., J. H., 120 Montgomery St., San Francisco 4, Calif.—Branch Offices: Portland, 541 Pittock Block; Renton, Wash., P. O. Box 568, and Los Angeles, Calif., 3450 Wilshire Blvd.

BAYLEY BLOWER CO., 1817 S. 66th St., Milwaukee, Wis.—Hess Greiner and Polland, 3440 Sunset Blvd., Los Angeles 15, and 1485 Bayshore Blvd., San Francisco; Tennity & Co., 1300 W. 8th St., Los Angeles.

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BECKMAN INSTRUMENTS, Helipot Div., 2500 Harbor Blvd., Fullerton, Calif.—Samuel N. Stroum Co. Inc., 621 S. Michigan St., Seattle 8; G. S. Marshall Co., 2065 Huntington Dr., San Marino, 801 Woodside Rd., Redwood City, Calif., and 30 Pima Plaza, Scottsdale, Ariz.; Allen I. Williams Co., 2263 S. Albion St., Denver, 3221 Silver Ave. S. E., Albuquerque and 320 E. 4th St., Salt Lake City.

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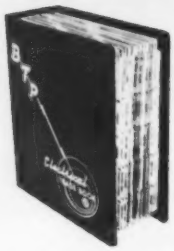

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BLACKHAWK INDUSTRIAL PRODUCTS CO., Butler, Wisc.—Bernie Robertson, 844 E. Bennett Ave., Glendora, Calif.; Robert Spath, 1712 Parrott Dr., San Mateo, Calif.; Archibald & Millie, 1863 Wazee St., Denver.

BLACKHAWK INDUSTRIES, 250 S. Main, Dubuque, Iowa—Pacific Electric Sales Co., 140 S. E. 28th Ave., Portland 15, Ore.; G. J. Pomeroy, 1004 E. 14th St., Los Angeles 13; W. B. Imholt Co., 275 Brannan St., San Francisco.

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BLUE M ELECTRIC CO., 138th and Chatham St., Blue Angeles 7; S. L. Cane Co., 2413 160th N. E., Bellevue, Wash.

BODENIECK TOOL CO., Route 48, North Taylorville, Ill.—John H. Ormond, 600 16th St., Oakland; R & M Sales, 2214 S. Clayton, Denver; Best Linemen's Supply Co., 543 First Ave. So., Seattle.

BODINE ELECTRIC CO., 2500 W. Bradley Place, Chicago 18, Ill.—C. E. Mello, 406 S. Main, Los Angeles 13; J. F. Cady Co., 1485 Bayshore, San Francisco.

BOGUE ELECTRIC MFG. CO., 52 Iowa Ave., Paterson 3, N. J.—N. R. Schultz, 4227 Airport Way, Seattle; Haskell W. Medalie, 365 S. Crescent Dr., Beverly Hills, Calif.; Robert W. Switzer, 1973 St. Francis Way, San Carlos, Calif.

BORTHIG CO., INC., GEORGE C., Highway 20, East Rutherford, N. J.—C. E. Riggs, Inc., 422 N. W. 8th, Portland, Ore., and 408 Occidental Ave., Seattle 4; C. D. La Moree, 2433 Birkdale, Los Angeles, and 2221 4th St., Berkeley, Calif.; Lee Equipment Co., Box 624, Salt Lake City 10.

BOSTON WOVEN HOSE & RUBBER CO., Div. of American Biltrite Rubber Co., 29 Hampshire St., Cambridge, Mass.—Eric Chemnitz Co., 1096 Yerba Buena Ave., Emeryville 8, Calif., and 4279 West Third St., Los Angeles; Coop & Merritt, 1932 Broadway, Denver, and 2426 N. E. 47th St., Portland 13; Lippincott Co., Inc., 911 Western Ave, Seattle 4; Bergman-Marshall Co., 1333 Van Dyke Ave., San Francisco.

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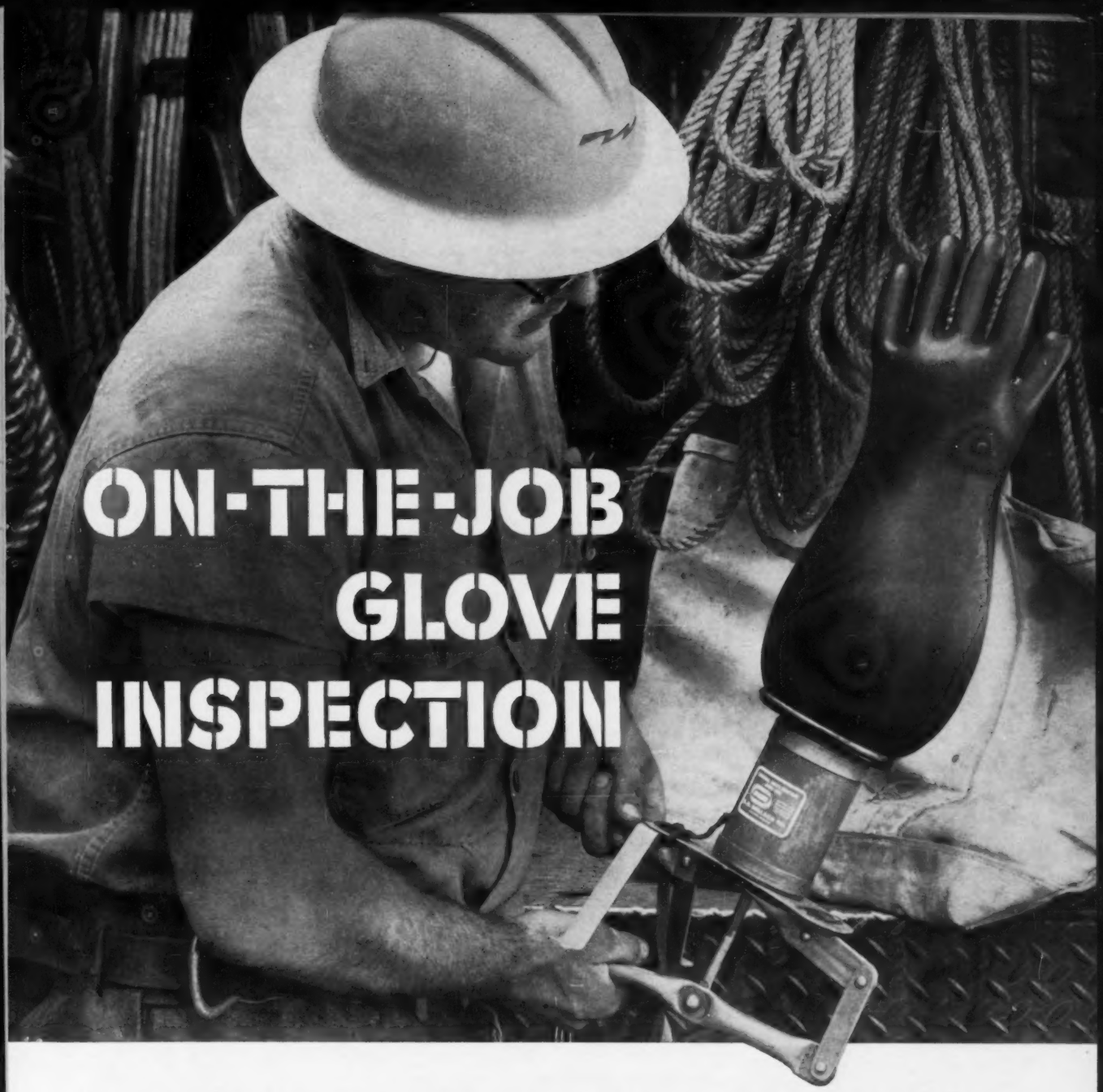

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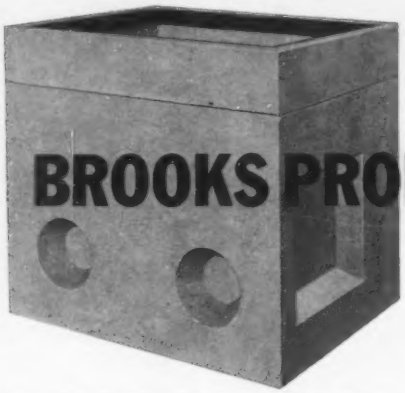
(See listing, Sales Offices, page 14)



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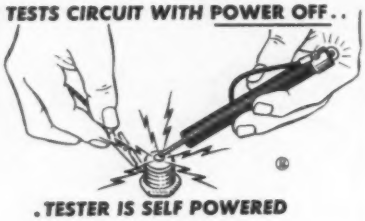

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BRENTON EQUIPMENT CO., 374 Brannon St., San Francisco—A. F. Johnson Co., 10430 Burbank Blvd., North Hollywood, Calif.

BREUER ELECTRIC MFG. CO., 5100 No. Ravenswood Ave., Chicago, Ill. — Frank L. Young, P. O. Box 275, Saratoga, Calif. Service: Kuchel Sievers, 350 Kansas St., San Francisco 3; Trace Elec. Co., 1524 12th Ave., Seattle; Cyrus Elec. Co., 416 N.W 5th Ave., Portland 9; Boise Ignition Co., 111 N 23rd St., Boise; Schraga Elec., 274 S. 1st West Salt Lake City; Reliable Elec. Co., 802 W. Jefferson, Phoenix; Zonne Ind. Tool Co., 2226 S. San Pedro, Los Angeles.

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BRIGHT STAR INDUSTRIES, 602 Getty Ave., Clifton, N. J.—R & M Sales Co., 2214 South Clayton, Denver 10.

BRISTOL COMPANY, THE—P. O. Box 1790 EW, Waterbury 20, Conn.—Branch Offices: 40 Berry St., San Francisco 7; 6800 East Acco St., Los Angeles 22; 4556 East 46th Ave., Denver 16; 101 Jones Bldg., Seattle 1.

BRITISH INDUSTRIES CORP., 80 Shore Road, Port Washington, N. Y.—Jack Berman Co., 1141 S. La Cienega Blvd., Los Angeles 35; Dave M. Lee, Inc. 2517 2nd Ave., Seattle 1; F. W. Moulthrop, 575 10th St., San Francisco.

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BROOKS PRODUCTS, INC.—P. O. Drawer 112, El Monte, Calif. — Branches: Oakland, Calif., and Portland, Ore.—(See ad, p. 14)

BROOKSIDE MFG. CO., INC., Jamaica Plains 30, Mass.—L. A. Nott, 1061 Howard St., San Francisco; Pacific Electric Sales, 140 S. E. 28th Ave., Portland; O. W. Coombs, 1026 S. Olive, Los Angeles.

BROWN-BOVERI CORP., 19 Rector St., New York City 6—Belilove Co., 420 Market St., San Francisco 11; A. B. Smedley, 848 Marchata St., Altadena, Calif.; Slaybaugh-Thompson Co., 100 West 13th Ave., Denver 4; Central Station Equipment Co., 2323 Aviation Highway, Tucson, Ariz. Branch Office: A. C. Conger, Executive Bldg., Portland, Ore.

BROWN COMPANY, 150 Causeway St., Boston, Mass. —Branch Office: 681 Market St., Mr. R. E. La Plante, Regional Sales Mgr., 681 Market St., San Francisco. Bermico Conduit, sold through Westinghouse Electric Supply Co. in all cities.

BROWNE MFG. CO., INC., STEWART R. 258 Broadway, New York 7, N. Y.—Branch: 3285 Fletcher Drive, Los Angeles 65.

BROWNING MFG. CO., Maysville, Ky. — Marwood Limited, 357 9th St., San Francisco; 320 E. 3rd, Los Angeles; 209 S. W. 1st Ave., Portland, and 1714 1st Ave., So., Seattle.

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BRYANT ELECTRIC CO., THE, 1421 State St., Bridgeport, Conn.—Branch Office: 3310 Leonis Blvd. Los Angeles 58, Calif., 1224 Mariposa St., San Francisco, C. H. Wood, Mgr.; Stubbs Elec. Co., 33 N. W. Park Ave., Portland.

BUCHANAN ELECTRICAL PRODUCTS CORP., 603 Route 22, Hillside, N. J. — Frank Roxema, 412 Seaton St., Los Angeles; Fred A. Pease, 4921 East 38th St., Denver 7; Keeler White-Portland, 523 N. W. Everett St., Portland; Tal Agencies, Inc., 1043 Sixth Ave., South, Seattle 4; Walter McHugh Industries, Ltd., 1817 West 4th Ave., Vancouver 9, B. C. (See ad, p. 87)

BUCK ENG. CO., Freehold, N. J. — Thallen Sales, P. O. Box 937, San Mateo, Calif.

BUCKINGHAM MANUFACTURING CO., 7-9 Travis Ave., Binghampton, N. Y.—Linemen's Supply Co. of Calif., 2704 S. Hill St., Los Angeles 7, and 70 Townsend St., San Francisco 7; Western Hardware & Tool, 122 10th St., San Francisco; Best Linemen's Supply Corp., 543 First Ave. South, Seattle; Arizona Safety Shoe & Equip. Co., 4138 N. 19th Ave., Phoenix; Union Supply Co., P. O. Box 6735, Stockyard Sta., Denver 16.

BUCKLES CO., CHRIS, 4830 S. Hoyne Ave., Chicago, Ill.—C. B. Gratiot Co., 1282 Folsom St., San Francisco; O. W. Coombs Sales, 1026 S. Olive St., Los Angeles; Kriz-Davis, Inc., 115 W. Colorado Ave., Colorado Springs, Colo.; J. C. McGary, 1063 W. Simmon, Tucson, Ariz.

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BUGGIE INC., H. H., Toledo, Ohio—Aerol Associates, 400 S. Beverly Drive, Beverly Hills, Calif.; George E. Honn, 560 Third St., San Francisco.

BUHRKE CO., R. H., 1403 W. Congress St., Chicago, Ill.—Best Linemen's Supply Corp., 543 First Ave. So., Seattle; Charles E. Morton Co., 447 W. Garvey Ave., Monterey Park, Calif.; Brenton Equip. Co., 374 Brannan St., San Francisco 7; R & M Sales, 2214 S. Clayton, Denver.

BULLARD CO., E. D., 2680 Bridgeway, Sausalito, Calif.—Branch Office: 6719 So. Figueroa, Los Angeles 3; Safety & Supply Co., 115 Blanchard St., Seattle 1 and 219 N. Division St., Spokane 2; Sanderson Safety Supply Co., 935 S. E. Hawthorne Blvd., Portland 14; Mine Supply Co., 402 S. Main, Carlsbad, N. M.; Central New Mexico Equip. Co., 3712 Edith Blvd., N. E., Albuquerque; Intermountain Equip. Co., P. O. Box 1129, Boise, Ida.; Goodall Rubber Co., 4861 E. 38th Ave., Denver 7; Midwest Rubber & Supply Co. of Ariz., 327 E. Jefferson St., Phoenix 4; Gaspro, Ltd., P. O. Box 2454, Honolulu, Hawaii. (See ad, p. 13)

BULLDOG ELECTRIC PRODUCTS CO., Div. I-T-E Circuit Breaker Co. (See listing under I-T-E Circuit Breaker.)

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BUNKER HILL COMPANY, 660 Market St., San Francisco, Calif.—Branch Offices: 2700 16th Ave. S. W., Seattle 4; 1233 N. W. Kearney St., Portland 9; 1336 16th St., Oakland 7; 2151 Yates Ave., Los Angeles 22; Haneberg & Co., P. O. Box 2903, Honolulu, Hawaii.

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BURBANK ELECTRICAL PRODUCTS, 215 W. Palm Ave., Burbank, Calif.—Ernst F. Hauch, 735 Tehama St., San Francisco 3; McLoughlin Co., 811 E. 14th Place, Los Angeles 54.

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BURGESS-MANNING CO., 749 E. Park Ave., Libertyville, Ill.—Radiant Ceilings, Inc., 877 Cowan Rd., Burlingame, Calif.

BURKE ENGINEERING CO., 1824 S. Burlington Ave. Los Angeles, Calif.

BURLING INSTRUMENT CO., 16 River Road, Chatham, N. J.—Ralph B. Lundy, 1067 Oak Ave., Redwood City, Calif.; Charles Meriam Co., 5017 Telegraph Rd., Los Angeles; Instrumentation Eng. Co., 1331 3rd Ave. Bldg., Seattle 1.

BURNDY CORP., INC., U-I DIV., Richards Ave., Norwalk, Conn.—George E. Hann Co., 560 Third St., San Francisco 11; Earl S. Condon Co., 3450 Wilshire Blvd., Los Angeles 5; Shaffer & Nelson, 1001 S. E. Water St., Portland; 312 Occidental Ave., Seattle 4; W. 1835 Broadway, Spokane 10; 212 Beason Bldg., Salt Lake City 11, and 3101 N. 36th St., Boise; Peterson Co., 4949 Colorado Blvd., Denver; Marshall R. Elmore, 140 Little Flower Rd., El Paso, Tex.; Honolulu Electrical Products, Ltd., P. O. Box 459, Honolulu 9, Hawaii.

BURNLEY BATTERY & MFG. CO., 103 Clay St., North East, Pa.—Joslyn Pacific Co., Div. of Joslyn Mfg. & Supply Co., in the following cities: 5100 District Blvd., Los Angeles; 180 Potrero St., San Francisco; 1523 N. W. Kearney St., Portland, and 2424 1st Ave., Seattle.

BURNTEX CORP., Houston, Texas—W. A. McGuire, 164 S. Central Ave., Los Angeles 12.

BURNWORTH TESTER, 815 Pomona Ave., El Cerrito 8, Calif.—J. B. Calder & Co., 1017 Howard St., San Francisco; Baker & Hamilton, 700 7th St., San Francisco; State Electric Supply, 240 10th St., Oakland; San Joaquin Wholesale, 1130 6th, Modesto; R & H Wholesale, 1420 Armstrong Ave., San Francisco; Electrical Suppliers Inc., 220 M St., Fresno, Calif.; Valley Electric, 630 N. Grant St., Stockton, Calif.; C.T.S. Co., Inc., 1733 S. Maple, Los Angeles 50; R. H. Justice, 4160 Rincon Annex, Palo Alto, Calif.; Oakley Wholesale, 816 Front St., Boise, Idaho; Doran Supply Co., 915 N. 5th Ave., Yakima, Wash.; Olympic Tool Supply, 1424 10th Ave., Seattle 10; Factory Warehouse Dist., South 9 Pine St., Spokane. (See ad, p. 14)

BURT MFG. CO., 44 E. South St., Akron, 11, Ohio—Samson Sales Co., 420 Market St., San Francisco; Engineers Metals of So. Calif., 437 Fernando Court, Glendale, Calif.; Pace-Turpin & Co., 726 S. 3rd West, Salt Lake City; C. A. Crosta, Inc., 1901 Market St., Denver 2; Marion Butler, 5435 N. Lagoon Ave., Portland, Ore.; Steel & Engrg. Prod., El Paso, Texas, and Albuquerque, N. M.; Hal Fogman & Associates, Inc., P. O. Box 9084, Queen Anne Sta., Seattle 9.

BURTON ELECTRICAL ENG. CO., Maryland and El Segundo, El Segundo, Calif.

There's a BUSS or FUSETRON Fuse *to fit the needs of every user*

Buss LOW-PEAK fuses. A great advancement in protective devices. Provide 200,000 amp. interrupting rating . . . great current limitation . . . plus long time-lag to prevent needless shutdowns . . . at minimum cost. Fit standard switches and panelboards—made in all sizes from 15 to 600 amps., both 250 and 600 volt range.

FUSETRON dual-element fuses. Have 100,000 amp. interrupting rating. Eliminate needless blowing of circuit fuses. Protect motors against burnout from overloads or single phasing. Reduce heating in panels and switches. Give thermal protection to panels and switches. Save on service and maintenance costs. In all sizes 1/10 amp. up—in 125, 250 and 600 volt types. Fit regular fuse holders.

Buss HI-CAP fuses. For loads above 600 and up to 6,000 amps. Have 200,000 amp. interrupting rating. High speed operation limits fault currents to safe values. Minimizes danger of damage to equipment and cuts down dangerous stresses on transformers. Can be coordinated with FUSETRON or LOW-PEAK fuses to limit outage to circuit of origin.

Buss LIMITRON fuses. Extremely fast opening characteristics prevent heavy short-circuit currents building up under fault conditions. Can be coordinated with FUSETRON or LOW-PEAK fuses to limit outage to circuit of origin.

Buss Super-Lag Renewable fuses. Provide lowest cost protection where periodic short-circuits are expected. Give freedom from needless blows not possible with other renewable fuses. Greatly reduce out-of-service-losses.

Buss One-Time fuses. Offer more economical protection for circuits where no motors are connected and possible fault current is not over 10,000 amps.

Buss FUSTAT fuses. Have type "S" base that makes safe protection remain safe. Reduce needless blowing of plug fuses yet give full protection against short-circuits and overloads. 3/10 to 30 amp. sizes. Fit plug fuse holders thru use of inexpensive adapter.

Bussmann Mfg. Division, McGraw-Edison Co.
St. Louis 7, Missouri

Western Representatives

N. S. BEYER, 2166 Market St., San Francisco 14, Calif.
R. L. KERR, 1004 East 4th St., Los Angeles 13, Calif.
L. E. WAGGONER, 1004 East 4th St., Los Angeles 13, Calif.
R. H. SHIPEK, 11539—6th Place N.E., Seattle 55, Wash.
H. L. DAVIN, 2919 Forest St., Denver 7, Colorado
GORDON DOUGHERTY, P. O. Box 188, Kailua, Hawaii.

BURTON EQUIPMENT CO., INC., 4810 Firestone Blvd., South Gate, Calif. — Barney Hartley, Box 4381, Phoenix.

BURTON-ROGERS CO., Sales Div., Hoyt Elec'l Instr. Works, 42 Carlton St., Cambridge, Mass.—Harvey Shoemaker, 1127 Wilshire Blvd., Los Angeles 17; Jim Dolliver, 1750 Oneida, Denver 7; Roy E. Ryberg, P. O. Box 4112, Seattle.

BUSSMANN MFG. DIV., McGraw-Edison Co., University at Jefferson, St. Louis 7, Mo.—L. E. Waggoner and R. L. Kerr, 1004 East 4th St., Los Angeles 13, Calif.; N. S. Beyer, 2166 Market St., San Francisco 14, Calif.; R. H. Shipek, 11539 6th Place, N. E., Seattle 55; H. L. Davin, 2919 Forest St., Denver 7, Colo.; Gordon Dougherty, P. O. Box 188, Kailua, Hawaii. (See ad, p. 13)

BYRON JACKSON PUMPS, INC., P. O. Box 2017, Terminal Annex, Los Angeles 54—Branch offices: ARIZONA: Casa Grande and Phoenix; CALIFORNIA: Chico, Fresno, Huntington Park, Los Angeles, Santa Clara, Sacramento, San Francisco; IDAHO: Twin Falls; WASHINGTON: Seattle.

C & D BATTERIES DIV., The Electric Autolite Co., Conshohocken, Pa.—McCormick Morgan Co., 324 Fifth St., San Francisco; Frank T. Butler, 722 Fern Glen, La Jolla, Calif.; Toncray Equipment Co., 732 Blake St., Denver, 213 N. First Ave., Phoenix, and 1347 S. 17th East, Salt Lake City; Automotive Elec. Co., 125 E. Mission, Spokane; Joseph C. Platt Co., 111 Bell St., Seattle; Fred Pelletier Co., 3436 San Fernando Rd., Los Angeles.

C & S PRODUCTS CO., Windsor Locks, Conn.—Paul D. Jacobs Co., 420 Market St., San Francisco.

CABLE ELECTRIC PRODUCTS, INC., 234 Daboll St., Providence, R. I.—The Frank H. Bran Company, 607 E. 6th St., Los Angeles; Vic Paul Co., 510 N. W. Hoyt St., Portland 9; Allen B. Carpenter Co., 1314 Wazee St., Denver 4; Wagener & Swanson, 1355 Market St., San Francisco; Andre-Mann Co., P. O. Box 2187, Anchorage, Alaska.

CABLE SPINNING EQUIPMENT CO., 3100 Topeka Ave., Topeka, Kansas—Sold by the following sales outlets in all principal cities: Maydwell & Hartzell, Inc.; Leich Sales Corp.; Stromberg-Carlson; Kellogg Switchboard & Supply, Automatic Electric Sales; North Electric Co. and General Electric Supply Co.; R & M Sales, 2214 S. Clayton, Denver 10.

CADWELD PROCESS (See Erico Products.)

CALIFORNIA CONDUIT & CABLE CO., 2204 Orange St., Alhambra, Calif.—Hodges & Glomb, 921 Bryant St., San Francisco; Keeler White Co., 523 N. W. Everett, Portland; Payne & Sloan, Inc., 1101 E. 5th St., Los Angeles; Northwestern Agencies, 4130 1st South, Seattle.

CALINOY DIVISION of Illinois Tool Works, 3155 W. El Segundo Blvd., Hawthorne, Calif.—James Findlay Co., P. O. Box 717, Bellevue, Wash.; Miner and Assoc., Inc., 115 Main St., El Segundo, Calif.

CALIFORNIA WESTERN CROSSARM CO., 1329 Willow St., Los Angeles 13, Calif.—Matzinger-Johnson Co., 1329 Willow St., Los Angeles 13.

CALAVAR CORP., 2700 S. Broadway, Los Angeles 7, Calif.

CAL-VENT MFG. CO., 1032 S. Gerhart Ave., Los Angeles 22, Calif.—Suchman Associates, 837 East 4th Place, Los Angeles 13.

CALVERT CO.—Oliver B. Lyman, 55 New Montgomery St.; Randolph Industries, 12202 East Garvey Ave., El Monte, Calif.

CALWIRE, 326 N.W. Third Ave., Visalia, Calif.—George A. Gray Co., 2720 17th St., San Francisco 10; Manufacturing Equip. Co., 1413 East 20th St., Los Angeles.

CAM-LOK DIV., EMPIRE PRODUCTS, INC., 9201 Blue Ash Road, Cincinnati 36, Ohio—J. B. Nottingham & Co., 1320 West 15th St., Long Beach 15, Calif.; R. C. Fessler & Co., 1634 Colorado Blvd., Los Angeles 41.

CAM-STAT INC., Div. of the Paul Henry Co., W. Olympic & Burndy Blvd., Los Angeles 64, Calif.—H. D. Campbell Co., 220 9th North, Seattle.

CAM TOOL CO., INC., 1038 Larkin St., San Francisco, Calif.—George Teetzel Co., 1724 S. Flower, Los Angeles; R. K. Flanagan, 1631 16th St., Seattle; M. P. Moran, 3871 Piedmont, Oakland; Achel West, 1123 E. Oregon, Phoenix; E. L. Michael, 2340 S. Milwaukee, Denver.

CAMBER LIGHTING, INC., 37 Montgomery St., Jersey City, N. J.—Jack Finkelstein, 546 W. Encanto Blvd., Phoenix, Ariz.; Al C. Slater & Assoc., 9011 15th Ave. N. E., Seattle; Bill Sylvester, 2144 Welton St., Denver.

CANNON ELECTRIC CO., 3208 Humboldt St., Los Angeles 31, Calif.—Branch Offices: 1845 S. Manchester Ave., Anaheim, Calif., 666 E. Dyer Rd., Santa Ana, 2801 Airlane, Phoenix; 941 Charleston Road, Palo Alto, Calif.; James J. Backer Co., 221 W. Galer St., Seattle 99; Allen I. Williams Co., 2263 S. Albion St., Denver 22, and 320 E. 4th So., Salt Lake City; Dougherty Enterprises, 149 Kaimi St., Kailua, Hawaii.

CAPEWELL MFG. CO., 60 Governor St., Hartford 2, Conn.—Rueger Co., 1335 So. Hill, Los Angeles, and 889 Bryant St., San Francisco; 516 Henry Bldg., Portland, and P. O. Box 4033, Magnolia Sta., Seattle.

CAPITOL WIRE & CABLE CORP., 910 Tenth St., Plano, Tex.—The Hayjax Co., 436 Colyton St., Los Angeles; Manufacturers Sales, Inc., 3820 E. 40th St., Tucson, Ariz.; Distributors Sales, Inc., P. O. Box 7, Plano, Tex.

CARBON ENGINEERING CORP., 400 Railroad, Slinger, Wis.—Representative: James Krotozyner, 544 Market St., San Francisco. Distributors: L. L. Burror Co., 1126 8th Ave., Oakland 6; Arrowhead Electric Corp., 5979 S. Figueroa St., Los Angeles 3; Reliable Electric Co., 802 W. Jefferson St., Phoenix; Tinling & Powell, E. 706 Sprague Ave., Spokane; Electric Motor Co., 707 Commerce St., Tacoma; Western Motor Service, 1224 S. E. Oak St., Portland.

CARBONE CORPORATION, 400 Myrtle Ave., Boonton, N. J.—E. C. Brehm, 2312 Carquinez Ave., El Cerrito, Calif.; W. E. Ferris, 422 W. Roses Road, San Gabriel, Calif.; D. E. Johnson, 3139 S. W. Altadena Terrace, Portland; E. A. Wilcox Co., 277 Seventh St., Los Angeles; The Fulcher Co., 1010 Lombard St., San Francisco 9.

CARBORUNDUM CO. OF REFRACTORIES DIV., Latrobe, Pa.—Eichorn & Melchior, 932 Terminal Way, San Carlos, Calif.; L. F. Davies, 2626 Malt Ave., Los Angeles 22; W. B. Franck, 1510 Hillgrade Ave., Walnut Creek, Calif.

CARLING ELECTRIC, 500 New Park Ave., West Hartford, Conn.—Fisher-Switches, 3199 Park Blvd., Palo Alto, Calif.

CARLON PRODUCTS CORP.—250 E. Manville St., Compton, Calif.—Branch Offices: 1860 S. Acoma, Denver; 1516 Thurman N.W., Portland; 1905 E. Roma, Phoenix; 10 Mississippi, San Francisco; Bill Horning Sales, 902 Friedel, Vancouver, Wash.

CARNEY & CO., B. J., Peyton Bldg., Spokane 1, Wash.—Branch Office, Medera, Calif.

CAROL CABLE CO., 190 Middle St., Pawtucket, R. I.—Bruce-Emmett Co., 830 S.E. Alder St., Portland, 1016 First Ave. S., Seattle, and 12103 East Boone St., Spokane; Payne & Sloan, Inc., 1101 East 5th St., Los Angeles 13; A. A. Gingell, 66 Ritch St., San Francisco; L. S. Reed & Co., 1018 Lawrence St., Denver 4.

CARPENTER-PETERSON, INC., 18 Hurley, Cambridge, Mass. — Branch Office: 1490 Egbert Ave., San Francisco.

CARPENTER STEEL CO., Alloy Tube Div., Springfield Road Union, N. —.—Branch Office: 2304 Huntington Dr., San Marino, Calif. Distributors: Electric Steel Foundry Co., 2141 N.W. 25th Ave., Portland 10; 2724 1st Ave. So., Seattle 4; 1280 65th St., Emeryville, Calif.; 4600 Pacific Blvd., Los Angeles 11.

CARRIER CORPORATION, Carrier Parkway, Syracuse 1, N. Y.—Branch Offices: 695 S. Van Ness, San Francisco; 5330 Harbor St., Los Angeles; 660 Bannock St., Denver; 3424 N. Central Ave., Phoenix; S. E. Grand at Morrison, Portland 4.

CASH VALVE MFG. CORP., A. W., 666 E. Wabash, Decatur, Ill.—T. F. Watson & Assoc., 2240 Wood St., Oakland 7; James A. Riordan Co., 1400 Santa Fe Ave., Los Angeles; Sales Engineers, Ltd., 7919 Monroe St., Paramount, Calif.; G. Robert Parker Co., 1458 Pennsylvania St., Denver; Chester L. Duke, 3317 N. 31st St., Tacoma 7; Wayne S. Janes & Associates, 510 Builders Exchange Bldg., Portland 4.

CATALYTIC COMBUSTION CORP., 4725 14th St., Detroit, Mich.—Heat & Controls, Inc., 1615 Cortland Ave., San Francisco 10 and 1224 S.W. Morrison St., Portland; Blair Eng. Co., 4100 Grape St., Denver 16; Carkeek Eng. Co. Inc., 285 S. Euclid Ave., Pasadena, Calif.

CAVALIER CORP., Electric Heater Div., 343 W. 1st St., Chattanooga, Tenn. — Bruce-Emmett Co., 830 S. E. Alder St., Portland, and 1016 First Ave. South, Seattle, 12103 East Boone, Spokane, and 373 West 3rd North, Salt Lake City; Chas. A. Blakely, 754 Natoma St., San Francisco.

CECO STEEL PRODUCTS CORP., 5601 W. 26th St., Chicago, Ill.—Branch: 401 Tunnel Ave., San Francisco; 1450 Mirasol, Los Angeles; 5650 East Evans, Denver 16.

CEILHEAT, INC., 5212 Homberg Drive, Knoxville, Tenn.—Ernst F. Hauch Co., 735 Tehama St., San Francisco; Page E. Golsan, 301 Pasadena Ave., Los Angeles; Ben T. Clark, 211-212 Wazee Market, Denver; George Adams Co., 422 South 7th Ave., Phoenix; Pacific Electric Sales Co., 140 S. E. 28th Ave., Portland. **(See ad, p. 17)**

CELINE, INC., North Island Ave., Batavia, Ill.—A. B. Smedley, 848 Marcheta, Altadena, Calif.

CELL-O CO., 138 Railroad Ave., Edmonds, Wash.—Sold through wholesalers and direct factory sales.

CELOTEX CORP., 120 S. La Salle St., Chicago 3, Ill.—Louis Matz, 3625 W. 6th St., Los Angeles; C. P. Lingle, 602 Railway Exchange Bldg., Denver 2.

CENTRAL AUTOMATIC SPRINKLER CO., Fourth and Cannon Ave., Lansdale, Pa.—Herman Lawson Co., 465 Tehama St., San Francisco; Rautman Plumbing & Heating Co., 115 Jackson St., Seattle 4; Lent's, Inc., 270 Fourth St., Bremerton, Wash.; M. B. Hinds, 2605 S.W. Third Ave., Portland; Orvin Eng. Co., La Habra, Calif.; Jardine-Wardman Inc., Colorado Springs, Colo.; L. Z. Brown, 288 N. Vermont Ave., Los Angeles; D. A. Wise, 973 W. St. Andrews Pl., Los Angeles; Pangborn Plbg. & Htg. Co., 1135 E. Florence Ave., Inglewood, Calif.; Merit Plbg. & Htg., 10913 Venice Blvd., Los Angeles; Murray Co., Gardena, Calif.; Assoc. Auto Fire Protection Co., Bakersfield, Calif., C. W. Schmid, 231 W. Front St., Missoula, Mont.; Copper Plumbing & Heating Co., 1812 Fairview Ave. N., Seattle; Sager's, 4213 Rucker, Everett, Wash.

CENTRAL PORCELAIN CO., Railroad St., Columbiana, Ohio—Weingart & Lustig, 1567 E. 25th St., Los Angeles 11.

CENTRAL TRANSFORMER CORP., P. O. Box 1753, Pine Bluff, Ark.—Robert A. Young & Co., 3901 San Fernando Road, Glendale, Calif.; F. M. Nichols Co., 72 Townsend St., San Francisco; Shaffer & Nelson, 1001 S. E. Water Ave., Portland; 1940 Occidental Ave., Seattle, and W. 1835 Broadway, Spokane; R & M Sales Co., 2214 S. Clayton St., Denver 10; H & C Sales Agency, Inc., P. O. Box 3087, El Paso, Tex.

CENTURY ELECTRIC CO., 1806 Pine St., St. Louis, Mo.—Branch Offices: 555 Monadnock Bldg., San Francisco; 1855 Industrial St., Los Angeles; 3420 E. Marginal Way, Seattle 4; 1238 N. W. Glisan, Portland 9; East 800 Front Ave., Spokane 2; Agents: Mark G. Mueller, 1644 Blake St., Denver 2; J. E. Redmond Supply, 625 W. Madison Ave., Phoenix; Stevens Sales Co., 1476 Major St., Salt Lake City 14.

CENTURY LIGHTING, INC., 521 W. 43rd St., New York, N. Y. — Wm. Ashton, 50 Hawthorne, San Francisco; Edward L. Peterson Co., 709 Bank of America Bldg., San Diego 1; Al C. Slater, 9011 15th Ave. N. E., Seattle; Gregg N. Cloos, 977 Jackson St., Denver 4; Rugar Electric, 517 Tumbleweed Lane, Las Vegas, Nev.

CEPCO, 1250 17th St., San Francisco 17, Calif.

CERTIFIED FLEXIBLE COUPLINGS, INC., 39 North Bond, Mt. Vernon, N. Y.—Pacific Pump, Oakland, Calif., and Portland, Ore.; Brooks Equipment, San Francisco; Denver Equipment, Denver.

CHALFANT PRODUCTS CO. INC., 11525 Madison Ave., Cleveland 7, Ohio — Ralph B. Black, 1025 Hermosa Dr., S. E., Albuquerque; Strong & Humphrey, 110 Yuma, Denver 23; Henry G. Lehl, 14280 S. W. Uplands Dr., Oswego, Ore.; Pacific Industries, 8255 Beverly Blvd., Los Angeles.

CHAMPION DeARMENT TOOL CO., S. Main, Meadville, Pa.—J. J. Brown Co., 257 S. Spring St., Los Angeles, and 420 Market St., San Francisco; Robert G. Sullivan Co., Rt. 6, Box 200, Port Orchard, Wash.; Wm. L. Knoyer Co., 138 W. 12th Ave., Denver 4.

CHAMPION LAMP WORKS, 330 Lynnway, Lynn, Mass.—Branch Offices: 650 19th St., San Francisco, and 326 S. San Pedro, Los Angeles 13.

CHANCE CO., A. B., Plant and Home Office at 210 North Allen St., Centralia, Mo.—Branches and ServiCenters: Dwight E. Argo, Regional Vice President and Sales Manager; 1511 Adrian Road, Burlingame, Calif.; 4527 Loma Vista Ave., Los Angeles 58; 351 Elliott Avenue, West, Seattle, and 158 West 6950 South, Bountiful, Utah; 1220 S.W. Stark, Portland, Ore.

CHANNEL MASTER CORP., Ellenbille, New York—Kenneth Anderson Co., 123 S. Myers St., Los Angeles; Stanley Sales Corp., 1122 Folsom St., San Francisco; The Sanderlin Co., 79 S. E. Taylor St., Portland 14 and 129 First Ave., N. W., Seattle 99.

CHAPMAN VALVE MFG. CO., Indian Orchard, Mass. —Branch Offices: 564 Bryant St., San Francisco, and 2941 East 11th St., Los Angeles.

CHARLESTON RUBBER CO., Stark Industrial Park, Charleston, S. C.—Brenton Equipment Co., 374 Brannan St., San Francisco; Sanderson Safety Equipment Co., 935 S. E. Hawthorne Blvd., Portland, and 219 N. Division St., Spokane; Guardian Safety Equipment Co., 7223 S. Main St., Los Angeles; R & M Sales, 2214 S. Clayton, Denver; Tingling & Powell, E. 706 Sprague Ave., Spokane 3; Western Safety Equip. Co., 311 W. 16th St., Cheyenne, Wyo.; Midwest Rubber & Supply, 327 E. Jefferson, Phoenix; John P. Bagoy, 611 11th Ave., Anchorage, Alaska; Honolulu Elec. Prod. Co. Ltd., 630 Piikoi St., Honolulu, Hawaii.

CHASE BRASS & COPPER CO., 236 Grand St., Waterbury 20, Conn.—Branch Offices: 5101 Colorado Blvd., Denver 16; 6500 E. Washington Blvd., Los Angeles 54; 230 Shaw Rd., South San Francisco, and 1957 First Ave. So., Seattle 4.

CHASE-SHAWMUT CO., 374 Merrimac St., Newburyport, Mass.—Garnett Young & Co., in following cities: 3775 S. Broadway, Los Angeles; 390 Fourth St., San Francisco; 1928 First Ave., So., Seattle; 1238 N. W. Glisan, Portland, and 1400 N. 32nd, Phoenix; Allen B. Carpenter Co., 1314 Wazee St., Denver.

CHASE & SONS, INC., 26 Spruce St., North Quincy, Mass.—Branch Offices: 11808 Bloomfield Ave., Santa Fe Springs, Calif., and 680 Seventh St., Oakland, Calif.; Joseph F. Taraba Co., 1824 S.E. 50th St., Portland and 1016 First Ave., Seattle; H. C. Torrey Associates, 1429 No. First St., Phoenix; Earl S. Condon Co., Inc., 3450 Wilshire Blvd., Los Angeles.

CHELSEA FAN & BLOWER CO., INC., 639 South Ave. Plainfield, N. J.—John A. Scott, 1823 S. San Pedro, Los Angeles 15; Charles A. Gillet Co., 1587 Valota Rd., Redwood City, Calif.; Pete Bach, 1233 Twelfth Ave., Portland 9.

CHERRY ELECTRICAL PRODUCTS CORP., 1650 Deerfield Road, Highland Park, Illinois—Harris-Koetke Sales Co., 204 E. Hillside Blvd., San Mateo, Calif.; Walter Corman, 7432 W. 80th St., Los Angeles.

CHESTER CABLE CORP., Oakland Ave., Chester, N. Y.—Rutkin Electric Sales Co., 744 Kohler St., Los Angeles; Carlos W. Stone, 2003 Parley's Blvd., Salt Lake City; Slaybaugh & Thompson, 100 W. 13th Ave., Denver; J. W. Marsh Co., 1485 Bayshore Blvd., San Francisco, and 4216 West Jefferson Blvd., Los Angeles 16; Associated Electrical Agents, 1000 4th Ave. So., Seattle and 1003 S. E. Grant St., Portland 14.

CHESTON COMPANY, FRANK C., 60 Park Place, Newark, N. J.—W. Montelius Price Co.,; 524 First Ave., Co., Seattle; Caesar Baldassari, 420 Market St., San Francisco.

CHICAGO COMMUTATOR CO., Wheeling Road and Exchange Ct., Wheeling, Ill.—Roy Silverman, 1316 N. Laurel Ave. Los Angeles 46; Wesco Elec'l Distributors, 184 S. Western Ave., Los Angeles 4; Associated Carbon Products, Inc., 207 W. Pico Blvd., Los Angeles.

CHICAGO EXPANSION BOLT CO., 1388 W. Concord Pl., Chicago, Ill. — Dillon Stevens & Co., 1348 Venice Blvd., Los Angeles and 420 Market St., San Francisco 11; Donald A. Olson Co., 420 East 45th, Seattle 5; Archibald and Millie, 1863 Wazee St., Denver 2, Colo.

Sell the BIG Job—Sell the BIG Name!

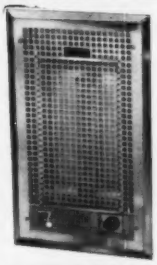
When you're quoting a really big job, it helps to have a really big name going for you. In CEILHEAT you literally have **the mark of quality in electric heating.** This reputation is respected by the purchasers of major heating installations. Get smart! Get the big orders with CEILHEAT!

BASEBOARDS

CEILHEAT automatic electric baseboards are the standard of the industry. Five different lengths (2½' to 10'), from 500 to 2000 watts of heating power. Easiest, most precise installation in the trade.

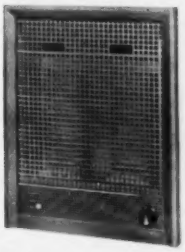
HIGH DENSITY BASEBOARDS

New from CEILHEAT! With or without thermal cut-out protection. Twenty-five per cent increase in heating power over standard baseboards. Five different lengths. Same convenient and efficient installation.



BATHROOM HEATERS

CEILHEAT'S bathroom heaters have been designed for easy, efficient installation. Of two-piece construction, they're offered in 14 different models, with choice of two thermostats or manual control. Wall mounting kits available.



WALL HEATERS

CEILHEAT 240-volt wall insert heaters are available in 13 models in four different sizes, including a series with chrome plated frame and grill. Heating capacity ranges to 20,484 btu/hr. Surface mounting kits available.

PORTABLE HEATERS

CEILHEAT's fan type heavy duty portable incorporates modern styling, top performance and reasonable operating costs. Of Cocoa Brown finish, trimmed in anodized gold, this 240-volt heater provides up to 4600 watts of heating capacity.

...and the three kinds of Cable for Specific Jobs

AJAX

Specifically designed for installation in concrete floors. Demand the cable that withstands rough treatment often incurred in laying concrete or tile.

Aristocrat

Created by CEILHEAT to provide the strength and pliability required in plaster finished construction. For trouble-free installations, demand ARISTOCRAT!

DRI-CEIL

Only CEILHEAT Dri-Ceil cable provides operation within the low temperature range recommended by the manufacturers of gypsum boards.

CEIL HEAT INC.

CEILHEAT ALSO MANUFACTURES ITS OWN DISTINCTIVE ROOMMATE THERMOSTATS, ELECTRIC FLOOR FURNACES AND THE "MIGHTY-MITE" 110-VOLT FAN PORTABLE HEATER.

CEILHEAT is a Registered Trademark identifying only Genuine CEILHEAT Products.

HEATS LIKE THE SUN

The Mark of Quality in Electric Heating

KNOXVILLE, TENNESSEE

(See listing, Sales Offices, p. 16)

CHICAGO PNEUMATIC TOOL CO., 6 E. 44th St., New York City—T. A. Ammer, 6935 Bandini Blvd., Los Angeles 22; A. B. Rudstrom, 145 Mitchell Ave., So. San Francisco; O. L. Briggs, 465 Acoma St., Denver 4; W. R. Merkle, 2901 First Ave. So., Seattle 4.

CHISHOLM-MOORE HOIST DIV., COLUMBUS McKINNON CHAIN CORP., Tonawanda, New York—E. E. Riddle, 320 Tenth St., San Francisco 3, and 475 Huntington Drive, Booth Bldg., Room 22, San Marino, Calif.

CHRISTIE ELECTRIC CORP., 3410 W. 67th St., Los Angeles 43, Calif.—Parrish Electronics, 2130 So. Albion, Denver 22; David G. DeHaas Co., 1923 Cable St., San Diego 7, Calif.; Stridal Corp., 1037 Laurel St., San Carlos, Calif.

CHRISTY CONCRETE PRODUCTS, Forni Division, 6150 Hollis St., Emeryville 8, Calif.—Sold through distributors and direct sales.

THE CINCINNATI TIME RECORDER CO., 1733 Central Ave., Cincinnati, Ohio—Cinti Time Recorder, 1925 Maple Ave., Bakersfield, Calif.; Time Equip. Co., 1956 S. Figueroa, Los Angeles and 906 Third Ave., Seattle 4; Frank E. Wilbur Co., 1835 Van Ness Ave., Fresno; Lee Brothers, 1111 "J" St., Modesto; Gerbert Dist. Co., 1159 California St., Denver 4; Alder Street Clock Shop, 251 S.W. Alder St., Portland 4; National Service Co., 2317 4th Ave., N., Billings; Fisher's, P. O. Box 1616, Boise; Idaho Typewriter Exchange, 323 W. Center St., Pocatello; Technical Services Co., 2430 E. Washington, Phoenix; Time & Instrument Co., 57 Richards St., Salt Lake City; ABC Office Equip., 914 W. Sprague Ave., Spokane 4; H. Scovern & Co., 19 Main St., San Francisco; Morris Brothers, Stockton; Evans Supply, Salt Lake City; Northern Cash Register Co., Fairbanks, Alaska; PF Elec. Typewriter & Time Clock Service, Honolulu 7, Hawaii.

CHROMALOX, INC., Murfreesboro, Tenn.—Montgomery Brothers, Inc., in following cities: 1122 Howard St., San Francisco, 4800 District Blvd., Los Angeles, 1632 N. W. Johnson, Portland, 911 Western Ave., Seattle, 5103 N. Hawthorne, Spokane, and 1331 T. St., Sacramento, Calif.

CIRCLE A W PRODUCTS CO., 1706 Lapham Dr., Modesto, Calif.—(See Alwalt Co.)

CIRCLE F. MFG. CO., 720 Monmouth St., Trenton, N. J.—L. S. Reed & Co., 1018 Lawrence St., Denver; Lighting Parts, Inc., 617 Mission St., San Francisco, and 191 Jefferson Blvd., Los Angeles (Lighting Mfgrs. Only); F. M. Nicholas Co., 72 Townsend St., San Francisco; Logan & Stone, 1485 Bayshore Blvd., San Francisco; Maddox Sales Co., 914 E. Third St., Los Angeles, and 5709 N. 19th Place, Phoenix; Keeler-White, 523 N. W. Everett St., Portland.

CIRCLE WIRE & CABLE CORP., 5500 Maspeth Ave., Maspeth, New York—Brill Electric Sales, 123 Kansas St., San Francisco 3; Electric Agencies, 3410 16th Ave., W., Seattle; Elkins Electric Agency, 144 S. Mission Road, Los Angeles.

CLARE & CO., C. P., 3101 Pratt Blvd., Chicago 45, Ill.—Branch Office: 6047 Hollywood Blvd., Los Angeles, and 55 New Montgomery St., San Francisco; C. B. Parsons & Co., 5319 4th Ave., So., Seattle; R. E. McClendon, 915 Yale S. E., Albuquerque, N. M.

CLARK CONTROLLER CO., 1146 E. 152nd St., Cleveland 10, Ohio—Branch Office: The Clark Controller Co., 4755 E. 49th St., Los Angeles, and 1770 Yosemite Ave., San Francisco 24; A. L. Polich & Associates, 734 N. W. Glisan St., Portland; H. M. Denny Co., 3410 16th Ave., West, Seattle 99.

CLARKEN CO., THE, 658 E. Elliott Ave., St. Louis 22, Mo.—W. E. Kirk Co., 415 Wall St., Los Angeles; C. E. Riggs Inc., 422 N.W. 8th Ave., Portland 9, and 408 Occidental Ave., Seattle 4.

CLAROSTAT MFG. CO., INC., Washington St., Dover, N. H.—Perlmuth Electronics & Assoc., 5057 W. Washington Blvd., Los Angeles; W. H. Connors, 5403 East Evans Ave., Denver 22; Sam Stroum, 621 Michigan, Seattle 8; Bill Kolans Co., 219 California Dr., Burlingame, Calif.

CLAYTON, MARK, & CO., 1900 Dempster St., Evanston, Ill. — Electric Agencies, 3410 16th Ave. West, Seattle; Hodges & Glomb, Inc., 921 Bryant St., San Francisco; Rutkin Electrical Sales Co., 744 Kohler St., Los Angeles 21; Kenneth B. Schumann Co., 1073 Galapago St., Denver; R. L. Brewer Co. Inc., 2030 Texas Ave., El Paso, Tex.

CLECO (See Commercial Lighting Equip. Co.)

CLEVELAND CRANE & ENG. CO., Cleveland Tramrail Div., 5866 E. 289th St., Wickliffe, Ohio—Cleveland Tramrail Calif. Co., 870 Market St., San Francisco, and 6435 Corvette St., Los Angeles; Cleveland Tramrail Denver Co., 1700 Fifteenth St., Denver, Colo.; Cleveland Tramrail Utah Co., 334 W. 17th St., Salt Lake City; Nelson J. Leonard, 5764 28th Ave. N. E., Seattle; N. C. Sherman, Ltd., 1156 W. Pender St., Vancouver, B. C.

CLEVELAND DIESEL ENGINE DIV., GMC, 2160 W. 106th, Cleveland, Ohio—Branch Offices: 870 Harrison St., San Francisco, 433 Marine Ave., Wilmington, Calif., 3676 East Martins, Portland; Evans Eng. & Equipt., 4300 11th Ave., N. W., Seattle.

CLIFTON CONDUIT CO., Div., General Cable Corp., 3300 Eastbourne Ave., Baltimore 24, Md.; Manufacturing Equip. Co., 1413 East 20th St., Los Angeles 11; Baxter Co., 101 Kansas St., San Francisco; Tal Agencies Inc., 1043 6th Ave., So., Seattle 4; Northwest Sales Co., 1603 N. W. Johnson, Portland.

CLIFTON MFG. CO., INC., 34 Topalian Mattapan, Boston 26, Mass.—Harold M. Ross, 420 Market St., San Francisco; Reitz Sales Co., 1324 Bellaire St., Denver; M. Levin, 205 N. W. 10th Ave., Portland; Eugene T. Sanson, 4050 E. Olympic Blvd., Los Angeles.

COAST ELECTRIC & MFG. CO., 1733 N. E. 7th Ave., Portland—Branch Offices: Eugene, Seattle and Spokane.

COAST LIGHTING PRODUCT CO., 320 Judah St., San Francisco.

COBEHN—John C. Henberger Co., 4032 Wabaska Dr., San Diego 7.

COBRA METAL HOSE DIV., DK Mfg. Co., 5059 S. Kedzie Ave., Chicago, Ill.—John T. Dresbach Sales Co., 1302 Walker Lane, LaHabra, Calif.

COBRA WOOD TREATMENT CORP., 124 E. 40th St., New York City 16, N. Y.—Bridgeman Construction Co., Albuquerque, N. M.

COCHRANE CORPORATION, 17th St. Below Allegheny, Philadelphia, Pa.—B. F. Soffe, Western Sales Mgr., 767 S. Harvard Blvd., Los Angeles; C. C. Moore & Co., Engineers, 450 Mission St., San Francisco, and following cities: 1111 Wilshire Blvd., Los Angeles; 409 Luhrs Bldg., Phoenix; 1120 Failing Bldg., Portland, and 417 Smith Tower, Seattle; Hank Thurstin Co., 475 Acoma St., Denver 4; C. H. Spencer Co., 210 W. 33rd South, Salt Lake City 15; Honolulu Elec. Products Co. Ltd., 630 Piikoi, Honolulu 9, Hawaii.

COFFEY OVERHEAD DOORS, INC., 4829 W. Pico Blvd., Los Angeles 19, Calif.

COIL WINDING EQUIP. CO., Oyster Bay, N. Y.—Tri-State Supply Corp. in following cities: 544 S. San Pedro, Los Angeles, 554 Bryant St., San Francisco, 325 No. Westlake Ave., Seattle 9.

COLE & CO., INC., C. W., 2560 Rosemead Blvd., El Monte, Calif.—Chas. A. Blakely, 754 Natoma St., San Francisco; Wm. Benndorf Co., 221 E. Camelback Rd., Phoenix; Edw. L. Peterson Co., 709 Bank of America Bldg., San Diego 1; The Norwest Co., 210 No. 36th St., Seattle 3; W. H. Cress Co., 201 Concord Bldg., Portland 4, Ore.

COLE ELECTRIC COMPANY, 8439 Steller Dr., Culver City, Calif.—K. M. Ryals Co., 9 First St., San Francisco; E. D. Maupin & Associates, 4020 Avalon Blvd., Los Angeles 11; Cashin & Tipton, 3270 Rosecrans St., San Diego; Electric Locator & Sales, 3920 Delamar N. E., Albuquerque.

COLLINS MICROWAVE & CARRIER CO., Dallas, Tex.—Branch Office: Collins Radio Co., 2700 West Olive Ave., Burbank, Calif.

COLLYER INSULATED WIRE CO., P. O. Box 64, Lincoln, R. I.—Bruce Emmett, 830 S. E. Alder St., Portland, and 1016 First St., S., Seattle; 12103 East Boone St., Spokane; 373 West Third North, Salt Lake City; Earl S. Condon Co., 3450 Wilshire Blvd., Los Angeles 5; Rocky Mountain Elec. Sales, 16 Wazee Market, Denver; A. A. Gingell Co., 66 Ritch St., San Francisco.

COLORADO FUEL & IRON CORP., P. O. Box 1920, Denver 2, Colo.—Branch Office: 1080 19th Ave., Oakland 6, Calif.; Jack Pruzan Co., 1963 1st Ave., S., Seattle.

COLSON CORPORATION, Jonesboro, Ark.—Colson Equipment & Supply Co., Los Angeles, San Francisco, Oakland, Calif.; R. H. Brown Co., Seattle Portland and Boise.

COLUMBIA CABLE & ELECTRIC CORP., 255 Chestnut St. ,Brooklyn, N. Y.—Frank H. Bran Co., 607 E. 6th St., Los Angeles; The Sanderlin Co., 129 First Ave. W., Seattle; 79 S.E. Taylor St., Portland; D. A. Steinkamp & Co., 16 Wazee St., Denver; Bergman & Marshall, Inc., 1333 Van Dyke, San Francisco.

COLUMBIA LIGHTING (Div. of Columbia Elec. & Mfg. Co.) N. 2310 Fancher Way, Spokane, Wash. —W. J. Ashton, 50 Hawthorne St., San Francisco; Ford, Windes & Krisman, 3650 Union Pacific Ave., Los Angeles; L. R. Koroch, P. O. Box 3923, Portland; Hal Gardner & Son, 2616 Second Ave., Seattle; Robert B. Cooper, P. O. Box 3007, Billings, Mont.; Arty W. Clark, 74 W. 4th So., Salt Lake City; Strong & Humphrey, 110 Yuma, Denver; C. James Vitus, 245 N. LaMar Rd., Phoenix.

COLUMBIA ELECTRIC MFG. CO., 4519 Hamilton Ave., Cleveland 14, Ohio—The James L. Kearns Co., Inc., 6055 N.E. Glisan, Portland 13; Bellfove Company, 420 Market St., San Francisco 11; Brenner-Fiedler & Associates, 7563 Melrose Ave., Los Angeles 46.

COLUMBIA ELECTRIC MFG. CO., 275 Steuart St., San Francisco, Calif.—Calhoun & Poxon Co., 5459 Alhambra Ave., Los Angeles; Ray L. Martin, 709 Weatherly Bldg., Portland.

COLUMBIA-GENEVA STEEL DIV., U. S. Steel Corp., R. W. Seely, V. P. (Charge of Sales), Equitable Life Bldg., San Francisco 4—F. S. Howard, Dist. V. P., 2087 E. Slauson Ave., Los Angeles; M. H. Freedman, Dist. V. P., 2345 N.W. Nicolai St., Portland 8, and Tower Bldg., Seattle; R. H. Maddan, Jr., Dist. V. P., Equitable Life Bldg., San Francisco; Alex Walker, Jr., Dist. V. P., Walker Bank Bldg., Salt Lake City; Maydwell & Hartzell, Inc., in following cities: 870 Tennessee St., San Francisco 7, 6400 Corvette St., Los Angeles, 206 W. Island Ave., San Diego, 120 S. 29th St., Phoenix, 2318 N. W. Vaughn St., Portland 10, P. O. Box 415, Medford, 1216 Poplar Place South, Seattle, 121 S. Monroe St., Spokane, 806 East 16th St., Tucson, and 602 S. Arizona St., Butte, Mont.

COLUMBIA METAL BOX CO., 260 E. 143rd St., New York City 51—George A. Gray Co., 2720 17th St., San Francisco.

COLUMBIA PRODUCTS, INC., Wrightsville, Penna.—Electric Agencies, Inc., 506 Second Ave., Seattle 4.

COLUMBUS PROCESS CO., INC., 2851 State St., Columbus, Ind.—Philip H. Heckendorn, 803 Housman St., La Canada, Calif.

COMAR ELECTRIC CO., 3349 W. Addison, Chicago 18, Ill.—M. A. Stolaroff, 4622 W. Slauson Ave., Los Angeles 43; David H. Ross Co., 534 El Camino Real, San Carlos; George E. Harris & Co., Inc., 444 Dexter Horton Bldg., Seattle 4.

COMBUSTION ENGINEERING, INC., 200 Madison Ave., New York—Branch Offices: 615 So. Flower, Los Angeles; 155 Sansome St., San Francisco, Skinner Bldg., Seattle 1; 240 Hilton Office Bldg., Denver.

COMMERCIAL ELECTRIC CORP., 1197 McArthur Highway, Newark, N. J.—Guy deLeuze Co., 1923 Bryant St., San Francisco.

COMMERCIAL ENCLOSED FUSE CO. OF N. J., 6812 Polk St., Guttenberg, N. J.—Agencies Co., 836 Traction Ave., Los Angeles.

COMMERCIAL FILTERS CORP., 2 Main St., Melrose, Mass.—Montgomery Bros. Inc., 1122 Howard St., San Francisco; 4800 District Blvd., Los Angeles; 911 Western Ave., Seattle; 1632 N.W. Johnson St., Portland; G. M. Wallace & Co., 324 Denham Bldg., Denver; Electric Building, El Paso, 715 Continental Bank Bldg., Salt Lake City and P. O. Box 208, Butte, Mont.

COMMERCIAL HEATER CO., 3020 Galvez, Fort Worth, Tex.—H. R. Basford Co., 235 15th St., San Francisco.

COMMERCIAL LIGHTING EQUIPMENT CO., 8636 Graham Ave., Los Angeles 2, Calif. — Martin Noack, 681 Market St., San Francisco.

COMMERCIAL PLASTICS CO., 945 George, Chicago, Ill.—C. B. Rush & Associates, 3376 W. 1st St., Los Angeles 4.

COMMERCIAL REFLECTOR & MFG. CO., 3109 Maple Ave., Los Angeles, Calif.

COMMONWEALTH ELECTRIC & MFG. CO., 83-105 Boston St., Boston, Mass.—Montgomery Brothers Inc., in following cities: 1122 Howard St., San Francisco; 4800 District Blvd., Los Angeles; 1632 N.W. Johnson St., Portland; 911 Western Ave., Seattle.

COMMUNICATION PRODUCTS CO., INC., Highway 79, Marlboro, N. J.—General Electric Supply Co., and Graybar Electric, all principal cities. Branch Office: Los Angeles, Calif.

COMPCO CORP., MITCHELL LIGHTING DIV., 1800 N. Spaulding, Chicago 47, Ill.—Dan Harvey, 501 E. 773 N. Bountiful, Utah; Henry G. Lehl, 1428 S. W. Uplands Ave., Oswego, Ore.; Electrical Enterprises, 1213 So. LaBrea Ave., Los Angeles, and Graybar Electric, all principal cities.

CONDULFOR CORP., 21565 Lorain Ave., Cleveland 11, Ohio—Fred D. Benz Co., 520 4th St., San Francisco; Fred D. Benz, Jr., 2113 Camino a Los Cerros, Menlo Park, Calif.; Edward J. Riley, 410 Merritt Ave., Oakland, Calif.; Sheeter & Co., 2508 West 6th St., Los Angeles 57; Hugh H. Sheeter, 12931 Magnolia Ave., Van Nuys, Calif.; Pete Chambers, 258 B Bennett Ave., Long Beach, Calif.; Sam Arden, 3150 El Cajon, San Diego, Calif.

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FEMCO, INC.—Microwave & Carrier Systems (Formerly Westinghouse FD & FR1 Equipt.)

FLOY MFG. CO.—Branded Wire Markers

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SCHWAGER-WOOD CORP.—Hi Volt Switches

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CONDUIT NIPPLE MFG. CO., 1455 Spring Garden Ave., Pittsburgh, Pa.—George A. Gray Co., 2720 17th, San Francisco 10; Pacific Electric Sales Co., 140 S.E. 28th Ave., Portland; Reitz Sales Co., 1324 Bellaire St., Denver; Hayjax Co., 436 Colyton St., Los Angeles 13.

CONDUIT PIPE PRODUCTS CO., Div. of Harsco Corp., 153 W. Fulton St., Columbus 16, Ohio—J. J. Schaller, 5330 Alhambra Ave., Los Angeles, and warehouse at Eckert-Lloyd Co., 1950 Naomi Ave., Los Angeles 11; Slaybaugh-Thompson Co., 100 W. 13th Ave., Denver; Eckert Lloyd Co., 1225 Sixth St., San Francisco; Keeler-White Co., 523 N.W. Everett St., Portland 9; Tal Agencies, Inc., 1043 6th Ave. S., Seattle.

CONNECTICUT HARD RUBBER CO., 407 East St., New Haven 9, Conn.—Branch Office: 1754 Crenshaw Blvd., Torrance, Calif., and P. O. Box 555, Bellevue, Wash.; Miller Gasket Co., 2113 E. Florence Ave., Huntington Park, Calif.; Western Fibrous Glass Prod. Co., 4423 Fruitland Ave., Los Angeles and 1611 N. W. Northrup St., Portland; R. Hurwich Co., 2546 10th St., Berkeley 2; A. B. Boyd Co., 763 E. 14th St., Los Angeles and 930 S. E. Oak St., Portland.

CONNECTICUT TELEPHONE & ELECTRIC CORP., 70 Britannia St., Meriden, Conn.—Rollins Electric Co., 804½ S. Atlantic Blvd., Monterey Park, Calif.; Selo Electric Const. & Eng. Corp., 1050 N. 38th St., Seattle; Arthur & Allen, 420 Market St., San Francisco.

CONNOR ENGINEERING CORP., Shelter Rock Lane, Danbury, Conn.—Representatives: Arthur Forsyth Co., 2800 15th Ave. West, Seattle 99, and N. 120 Division St., Spokane, Wash.; Air Cond. Supply, 137 S. Anderson, Los Angeles 33; Air Filter Sales & Service, 49 Moss St., San Francisco; Shea Equipment Co., 44 Berry St., San Francisco; Wayne Dow, 5404 Coal Ave., S. E., Albuquerque; Sabol and Rice, 1760 S. 450 W., Salt Lake City; Wahl Eng. Sales Co., 6424 So. Central, Phoenix; E. S. Constant Co., 1814 S. E. 7th Ave., Portland; Air Eng. Co., 645 Halekauwila St., Honolulu, Hawaii.

CONOFLOW CORP., 2100 Arch St., Philadelphia, Pa. Milton Frank Co., 420 Market St., San Francisco; Branom & Leeland Instrument Co., 2137 Second Ave., Seattle 1, and 6019 N. E. Union Ave., Portland 11; G. D. Pribble Co., 5416 E. Beverly Blvd., Los Angeles 22; Darling Co., Wheat Ridge, Colo.; Control Equip. Co., 323 W. 14th St. So., Salt Lake City.

CONSOLIDATED DIESEL ELECTRIC CORP., 880 Canal, Stamford, Conn. — Consolidated Diesel Western, 15519 Lanark, Van Nuys, Calif.

CONSOLIDATED WESTERN STEEL DIV.—United States Steel Corp., P. O. Box 2015, Terminal Annex, Los Angeles 54, Calif.—Branch Offices: 120 Montgomery St., San Francisco; 2421 California Ave., Fresno; 1729 Exchange Bldg., Seattle; 1710 Oak St., Bakersfield; 600 W. Grant St., Phoenix, P. O. Box 390, Provo, Utah.

CONTINENTAL-DIAMOND FIBRE CORP., S. Chapel St., Newark 14, Del.—Sales Office and Warehouse: 3050 East 11th St., Los Angeles 23; Marwood Limited, 357 9th St., San Francisco 3; 1714 First Ave., South, Seattle 4, and 209 S.W. First Ave., Portland 4; Shefler-Kahn, P. O. Box 1587, Phoenix, Arizona; Allen Co., 260 Denver Club Bldg., Denver.

CONTINENTAL ELECTRIC EQUIPMENT CO., 205 W. 4th St., Cincinnati, Ohio—Branch Office: 1356 Drake Ave., Burlingame, Calif., and 920 W. Indian School Road, Phoenix.

CONTINENTAL RUBBER WORKS, 2000 Liberty Ave., Erie 6, Pa.—Branch Offices: 3030 E. Olympic Blvd., Los Angeles 23, and 1325 Egbert Ave., San Francisco.

CONTINENTAL WIRE CORP., 322 N. Cherry St. Ext., Wallingford, Conn.—Tri-State Supply Co., 544 S. San Pedro, Los Angeles, and 554 Bryant St., San cisco; Pacific Electric Sales Co., 140 S.E. 28th Ave., Portland, Ore.; Ralph B. Black, 4716 Trumbull, S. E., Albuquerque, N. M.; Service Cable & Wire, Inc., 2051 Pontius Ave., Los Angeles 25; Howard & Goepp Co., 1301 6th St., San Francisco.

CONTROLAIR MFG. CO., 1932 So. Compton, Los Angeles 11, Calif.

CONTROL CO. OF AMERICA, Schiller Park, Ill.—Branch: 139 Illinois St., El Segundo, Calif.

CONTROL CORPORATION, 718 Central Ave., N. E., Minneapolis, Minn.—Garland-Affolter Eng. Co., in following cities: 417 South Hill St., Los Angeles; 58 Sutter St., San Francisco; 2603 Western Ave., Seattle; 1233 N. W. 12th Ave., Portland; Slaybaugh-Thompson Co., 100 W. 13th Ave., Denver; Frank W. Gorman, P. O. Box 223, El Paso; Gorman Eng;neering Co., P. O. Box 743, Albuquerque, N. M., and Box 10065, Phoenix.

CONTROL PANEL CORP., 517 W. Monroe St., Chicago, Ill.—Central Station Equip. Co., 2323 Aviation Highway, Tucson, Ariz.

CONTROL SWITCH DIVISION, 1420 Delmar Dr., Folcroft, Pa.—Branch: 136 Washington St., El Segundo, Calif.

CONTROLS CORP. OF AMERICA, A P Controls Div., 2450 N. 32nd St., Milwaukee 45, Wis.—Branch: 139 Illinois St., El Segundo, Calif.; Dick Morton, 211 Polhemus Ave., Atherton, Calif.; Fred MacDonald, 1622 100th Ave. N.E., Bellevue, Wash.

CONTROLS CORP. OF AMERICA, Control Switch Div. of Astromatic Div., 4218 West Lake St., Chicago 24, Ill.—Branch Office: 136 Washington St., El Segundo, Calif.; Artwel Elec. Inc., 1485 Bayshore Blvd., San Francisco; Eicher & Co., 5 W. Harrison St., Seattle.

COOK ELECTRIC CO., 2700 N. Southport Ave., Chicago 14, Ill.—Kellogg Switchboard & Supply, 23 Broderick Road, Burlingame, Calif. Branch: Glendale 4, Calif., 302-B So. Brand Blvd., Mr. J. W. Wilson, Mgr.; Jack Pruzan Co., 1963 1st Ave., S., Seattle; Leich Sales, 11401 West Pico, Los Angeles. **Wire Com. Div.**—Maydwell & Hartzell, Inc., in following cities: 870 Tennessee St., San Francisco 7, 427 W. 5th St., Los Angeles 13, 5823 Henley Dr., San Diego, 120 S. 29th St., Phoenix, 2318 N. W. Vaughn St., Portland, 803 W. Jackson, Medford, 306 Dexter Ave., Seattle 9, 121 S. Monroe St., Spokane 8, and 110 East 6th St., Tucson; Jack Pruzan Co., 1963 1st Ave. So., Seattle.

COOK'S SONS, INC., ADAM—Arthur & Allen, 420 Market St., San Francisco; Krause Engineering, 741 E. Artesia, Long Beach.

COOPER HEWITT ELECTRIC CO., 732 Grand St., Hoboken, N. J.—Shannon Luminous Materials Co., 7356 Santa Monica Blvd., Hollywood 46, Calif.; Sara Scientific Co., 1526 Wallace Ave., San Francisco.

CO-OPERATIVE UTILITIES CO., INC., 4637-39 Mulberry St., Philadelphia 24, Pa.—Electric Agencies, 6420 Salem St., Oakland; H. G. Rising, 151 N. Vermont Ave., Los Angeles, and Fletcher Elec'l Specialty Co., 4150 S. Main St., Los Angeles; Advance Tool Supply Co., 3056 24th St., San Francisco; L. L. Burror, 1126 8th Ave., Oakland; Electrical Specialty Co., 158 11th St., San Francisco; 2406 First Ave. South, Seattle 4, and 2026 Arapahoe St., Denver.

T. J. COPE DIV.—ROME CABLE CORP., 3rd and Walnut Sts., Collegeville, Pa.—Branch Offices: 2937 S. Tanager Ave., Los Angeles 22 and 1411 Fourth Avenue Building, Seattle 1; Rome Cable Div. of Alcoa, 230 S. Fourth West St., Salt Lake City 1; Arthur & Allen, 420 Market St., San Francisco; Hamilton Associates, 1236 Elati St., Denver 4; National Elec. Supply Co. Ltd., 611 Keeaumoku St., Honolulu 11 Hawaii.

COPES-VULCAN DIV., Blaw-Knox Co., 939 W. 26th St., Erie, Pa.—George Hallen Sales Co., 2650 Cherry Ave., Long Beach 6; Floyd E. Welch & Associates, 55 New Montgomery St., San Francisco 5; Pacific Steam Control, 4023 Aurora Ave., Seattle; C. H. Spencer & Co., 210 West 3300 South, Salt Lake City 10; The Hank Thurstin Co., 1030 West Ellsworth Ave., Denver 23.

COPPERWELD STEEL, Glassport, Pa.—Branch Offices: A. B. Leach, Western Sales Mgr., Monadnock Bldg., San Francisco; G. R. Craig, Dist. Mgr., P. O. Box 796, Bellevue, Wash.; G. D. Sewick, Dist. Mgr., 4214 E. Colfax Ave., Denver 7, Colo. (See ad, p. 37)

COPPERWELD STEEL CO., FLEXO WIRE DIV., 70 W. 1st St., Oswego, N. Y. — E. Jordan Brooks Co., 6601 Telegraph Rd., Los Angeles 22, and 571 Howard St., San Francisco.

CORDOMATIC DIVISION, 1724 West Indiana Ave., Philadelphia, Pa.—Roland S. Boreham Co., 615 Bendix Bldg., Los Angeles 15; Jack Dowling Co., 2437 Monta Vista Place, Seattle 99; C. E. Moffet Co., 975 Indiana St., San Francisco 7.

CORNELL DUBILIER, ELECTRONICS DIV., Federal Pacific Elec. Co., 50 Paris St., Newark, N. J.—W. C. King, 2064 East 27th St., Los Angeles; Myron Swendsen, 1st National Bank Bldg., Boise, Ida.; James D. Stephens, 550 South 2nd West, Salt Lake City. Branch Offices: Federal Pacific Elec., San Francisco, Los Angeles, Portland, Seattle and Spokane.

CORNING GLASS WORKS, Corning, N. Y.—Branch Office: 1355 Market St., San Francisco; 420 S. Euclid Ave., Anaheim, Calif.

CORNISH WIRE CO., Div. General Cable Corp., 50 Church St., New York City—J. M. Fincke, 1848 N. Main St., Los Angeles 31; The Sanderlin Co., 129 First Ave. W., Seattle 99; Howard & Goepp Co., 1301 6th St., San Francisco 7.

CORONA MFG. CORP., 11300 Tuxford St., Sun Valley, Calif.—Sold direct.

CORROSION REACTION CONSULTANTS, 116-2F Chestnut St., Philadelphia 6, Pa.—Sold through leading distributors.

COTTRELL PAPER CO., INC., Rock City Falls, N. Y. —Tri-State Supply Corp., in following cities: 544 S. San Pedro St., Los Angeles; 554 Bryant St., San Francisco; 325 Westlake Ave. North, Seattle 9, and Electric Motor Supply Co., 1646 Blake St., Denver; J. R. Christiansen Agency, 247 East 5th So., Salt Lake City 2.

COUCH CO., INC., S. H., 3 Arlington St., North Quincy, Mass.—Garnett Young & Co., in following cities: 390 4th St., San Francisco; 3775 Broadway So., Los Angeles; 1928 First Ave. So., Seattle; 1238 N.W. Glisan St., Portland, and 1400 N. 32nd St., Suite B, Phoenix; Gregg N. Cloos Co., 977 Jackson St., Denver; Honolulu Elec'l Prod. Co. Ltd., 630 Piikoi St., Honolulu.

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CRESCENT VALVE CO., 611 Shirley Ave., El Monte, Calif.—Distributor, Barksdale Valves, 5125 Alcoa Ave., Los Angeles 58.

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CROUSE-HINDS CO., Wolf and 7th North Sts., Syracuse, N. Y.—Branch Offices: 11444 Ayrshire Road, Los Angeles 48; 27537 Rainbow Ridge Road, Rolling Hills, Calif.; 1093 Sycamore Dr., Millbrae, Calif.; 600 Olympic Place, Seattle 99; Suite 202, 1633 N.W. 21st Ave., Portland; 2960 Wan Road, Salt Lake City and 1331 Jackson St., Denver 6.

CROWN INDUSTRIAL PRODUCTS CO., 713 Amsterdam St., Woodstock, Del.—Tri-State Supply Corp., 544 S. San Pedro, Los Angeles 13, 554 Bryant St., San Francisco, and 325 Westlake Ave., North, Seattle 9; Insulation & Wires, Inc., 1075 N. Patt St., Anaheim, Calif., 274 Harbor Way, So. San Francisco, 1112 N. W. 19th Ave., Portland 9, and 2719 East 5th St., Vancouver, Wash.; Ward Elec., 1116 10th St., Denver; C. E. Riggs, Inc., 422 N. W. 8th Ave., Portland 9.

CRUCIBLE STEEL CO. OF AMERICA, Oliver Bldg., Pittsburgh 30, Pa.—Branch Offices: 6033 E. Bandini Blvd., Los Angeles 22; 2050 Bryant St., San Francisco; 6301 Dexter St., Denver 16; 2755 First Ave. South, Seattle 4; 2330 N.W. Raleigh St., Portland 10; 753 W. 8th St. So., Salt Lake City.

CRYDOM LABORATORIES, 926 Atlantic Blvd., Los Angeles, Calif.—Artwell Electric, Inc., 1485 Bayshore Blvd., San Francisco 24.

CURTIS DEVELOPMENT & MFG CO., 3201 N. 33rd St., Milwaukee, Wis.; Nelson Co., 710 E. Louisiana Ave., Denver 10; C. B. Parsons, 5319 Fourth Ave. So., Seattle; James M. Krotozyner, 544 Market St., San Francisco; Walter W. Corman, 7432 W. 80th St., Los Angeles 45. Distributors: Calif. Wholesale Elec. Co., 2548 Yate's Ave., Los Angeles 22; C. B. Parsons & Co., 5319 4th Ave. So., Seattle 8; R. V. Weatherford Co., 6921 San Fernando Rd., Glendale 1, Calif.

CURTIS-ALLBRITE LIGHTING, INC.—See Curtis-Electro Lighting Co.

CURTIS-ELECTRO LIGHTING CO., 1536 S. Paulina St., Chicago, Ill.—George Jacobus, 4140 E. Burnside, Portland; J. D. Travis, 10522 Santa Fe, Denver; James Stephens, 550 S. 2nd 57 West, Salt Lake City; Al Parker, 420 Market St., San Francisco; W. K. Turner, 2316 Sixth St., Seattle 1.

CUTLER-HAMMER, INC., 315 N. 12th St., Milwaukee, Wis.—Branch Offices: 1661 Industrial Way, Belmont, Calif., 6431 Bandini Blvd., Los Angeles; 155 Van Ness Ave., Fresno; 1331 "T" St., Sacramento; 3780 5th Ave., San Diego; 1030 W. Ellsworth Ave., Denver; 3500 N. Central Ave., Phoenix; 405 Concord Bldg., Portland; 623 8th Ave., S., Seattle; 3605 E. 15th Ave., Spokane. AGENTS: J. W. Swann, Albuquerque, N.M.; W. E. Niven, 1021 University Ave., Rm 11, Honolulu, Hawaii.

D. & H. ELECTRIC CO., 2827 Altura Ave., La Crescenta, Calif.—Howard & Goepp, 1301 6th St., San Francisco 7; John M. Fincke, 1848 North Main, Los Angeles; W. H. Cress Co., 201 Concord Bldg., Portland.

DAGE TELEVISION DIVISION, Thompson, Ramo Woolridge, 204 Hindry Ave., Inglewood, Calif.—Monson Electric Co., 360 Sixth St., San Francisco; Mutual Elec. Supply, 1905 Jackson St., Seattle 14; Antennavision, Inc., 2949 W. Osborn Rd., Phoenix; Hoffman Sales, 426 W. College St., Los Angeles.

DAILEY BODY CO., 440 High St., Oakland, Calif.

DAKOTA ENGINEERING, INC., 4315 Sepulveda Blvd., Culver City, Calif.—Paramount Technical Agency, 9210 28th Ave. N.W., Seattle; Elmec Sales, Inc., 1921 University, Palo Alto, Calif.

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DAY-BRITE LIGHTING, INC., 5411 Bulwer Ave., St. Louis 7, Mo.—Assembly Plant, 530 Martin Ave., Santa Clara, Calif. Sales Offices: 3156 Wilshire Blvd., Los Angeles; Brundage Lighting Associates, 821 Howard St., San Francisco 3; Edward L. Peterson Co., 709 Bank of America Bldg., San Diego; Alan Humphrey, 328 E. Lansing St., Fresno, Calif.; Jack Lowder, P. O. Box 2338, Salt Lake City 10; O. A. Taylor, 6346 N. E. Rodney, Portland; James Hallek, 7120 Dellwood Rd., N. E., Albuquerque, N. M.; O. E. Fleischer, 1700 15th St., Denver; Wm. Benndorf Co., 221 E. Camelback Rd., Phoenix, Ariz.; D. A. Olson Co., 5001 25th Ave., N. E., Seattle 5; L. J. Van Nostrand, 1331 T St., Sacramento, Calif.; M. A. Cabot, P. O. Box 3708, Honolulu, Hawaii.

DAYNA LIGHTING, INC., New Britain, Pa.—Stearns Sales, Box 945, Rt. 6, Tacoma; Norman Ross, 4227 N. Monte Vista, Scottsdale, Ariz.

DAYSTROM, INC. DAYSTROM-WESTON SALES DIV., Frelinghuysen Ave., Newark, N. J.—Branch Office: 831 Airport Way, Seattle 4; 2001 S. Grand Ave., Los Angeles and 1125 Marshall St., Redwood City, Calif., and 221 E. Camelback Rd., Phoenix; Peterson Co., 4949 Colorado Blvd., Denver 16; Eicher & Co., 5 W. Harrison, Seattle.

DAYTON ELECTRIC MFG. CO., 126 S. Oakley Blvd., Chicago 12, Ill.—W. W. Grainger, Inc., in following cities: 519 Potrero Ave., San Francisco; 1401 E. 3rd St., Los Angeles; 2200 Adeline St., Oakland; 101 Van Ness Ave., Fresno, Calif.; 2001 Grand St., Seattle; West 22 Main St., Spokane; 2410 N. Mississippi Ave., Portland; 527 N. Third, W., Salt Lake City; 144 W. Market, San Diego; 1022 N. 21st Ave., Phoenix; 2520 Larimer St., Denver 5.

DAZOR MFG. CORP., 4481 Duncan Ave., St. Louis 10, Mo.—General Electric Supply Co., and Westinghouse Electric Supply Co., all principal cities.

DE BOTHEZAT FANS DIV., American Machine and Metals, Inc., East Moline, Ill.—E. H. Langdon Co., 72 Vine St., Seattle; Hubert Kaub & Co., 1025 Santa Fe Dr., Denver; L. F. Church Co., 750 Natoma St., San Francisco; C. & S. Equip. Co., 235 W. 22nd St., Los Angeles; H. W. McKenzie Co., 100 N.E. Holladay, Portland; Sales Eng. Co. Inc., 205 W. Utopia Ave., Salt Lake City; Electric Locator & Sales Co., 3921 Delamar, N.E., Albuquerque; O. K. McCullough Co., 1029 North First St., Phoenix.

DEE ELECTRIC CO., 1101 N. Paulina St., Chicago 22, Ill.—Claude Michael Agency, 703 W. Ivy St., Glendale, Calif.; Tri-State Supply Corp., 544 S. San Pedro St., Los Angeles.

DeLIGHTS DIVISION, Special Products Co., 2221 Potrero, So. El Monte, Calif.—Reps: D. A. Steinkamp, 16 Wazee Market, Denver 2; J. R. Penning, 2323 Second Ave., Seattle 1; James P. Swann, 1624 First St., N.W., Albuquerque; M. T. Widing, 5705 N.E. 17th St., Portland; Tom Clarey, 350 Ocean Ave., San Francisco; Mel Templet, 3330 E. Georgia, Phoenix.

DeLUXE COILS, INC. (See Wabash Magnetics)

DELTA ELECTRIC CO., 33rd and Nebraska Sts., Marion, Ind.—Lynn & Brooks, 1485 Bayshore Blvd., San Francisco; 3055 Wilshire Blvd., Los Angeles; Room 212, Colorado Bldg., Denver 2; and 1990 Alaskan Way, Seattle 1.

DELTA-STAR ELECTRIC DIVISION—(See H. K. Porter Co., Inc.)

DELTA-STAR ELECTRIC DIV., ELECTRIC SERVICE WORKS—(See H. K. Porter Co. Inc.)

DENISON ENGINEERING DIV., American Brake Shoe Co., 1160 Dublin Rd., Columbus, Ohio — Branch Office: 1651 E. El Segundo Blvd., Hawthorne, Calif.

DENISON MFG. CO., R. B., 386 Broadway, Bedford, Ohio—Hundley Co., 3282 Fletcher Dr., Los Angeles; H. D. Campbell Co., 220 9th Avenue North, Seattle 9; Artwel Electric Co., 1485 Bayshore Blvd., San Francisco 24.

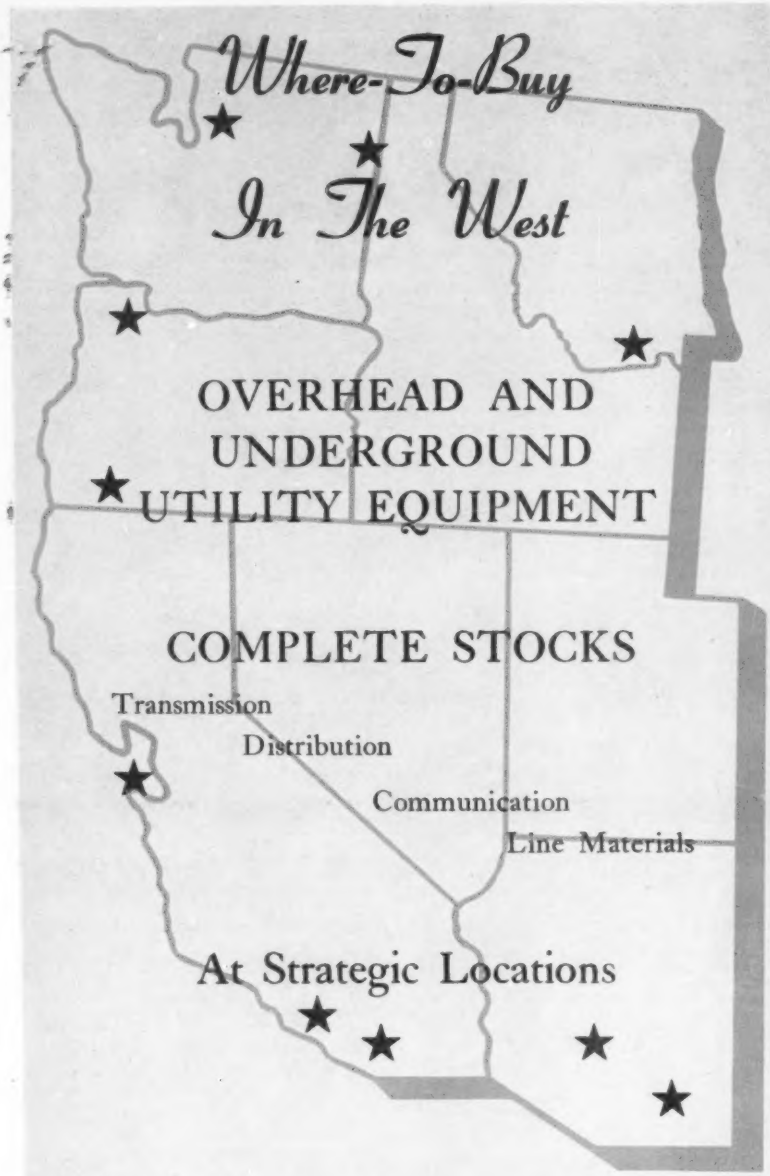
DESCO MFG. CO., 551 W. Glenoaks Blvd., Glendale 2, Calif.—Graybar Electric Co., all principal cities.

DESERT AIR LAMP CO., 1518 N. Western Ave., Los Angeles 27, Calif.—McCalls Desert-Air Lamp Co., 1331 Park St., Alameda, Calif.

DESIGNERS FOR INDUSTRY, INC., Fulton Parkway, Cleveland, Ohio—William Geist, 3177 Glendale Blvd., Los Angeles 39; Wm. D. Collins, Jr., 535 Middlefield Rd., Palo Alto, Calif.; Emerson F. Riber, P. O. Box 1621, Seattle 55; William E. Brown, 130 S. Yarrow St., Denver 26.

DESMOND STEPHENS MFG. CO.—Dillon Stevens Co., 1348 Venice Blvd., Los Angeles 5.

DESPATCH OVEN CO., 619 S. E. 8th St., Minneapolis, Minn.—Lombard Smith, 714 W. Olympic Blvd., Los Angeles 15; Matheson-Doherty Co., 225 Shaw Rd., So. San Francisco; Insulation & Wires, Inc., 6514 E. Fleet St., Los Angeles and 255 Loomis St., San Francisco.



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Medford	P. O. Box 415	SP 2-9195
Seattle 44	1216 Poplar Place S.	EA 3-1270
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Tucson	806 East 16th Street	MA 2-3331
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DETROIT CONTROLS—See Norwood.

DETROIT ELECTRIC FURNACE, 11405 E. State Fair, Detroit 34, Mich.—Otto H. Rosentreter Co., 7424 S. Garfield Ave., Bell Gardens, Calif.

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DICKE TOOL CO., Downers Grove, Ill.—Maydwell & Hartzell, Inc., 870 Tennessee St., San Francisco, 6400 Corvette St., Los Angeles, 206 W. Island Ave., San Diego, 120 S. 29th St., Phoenix, P. O. Box 415, Medford, 2318 N. W. Vaughn St., Portland, 1216 Poplar Place So., Seattle, 121 S. Monroe St., Spokane, 602 S. Arizona St., Butte, and 806 East 16th St., Tucson.

DIEHL MFG. COMPANY, Finderne Plant, Somerville N. J.—Branch: Keeler White Co. (Fans), 615 Seventh St., San Francisco 3; Keeler-White-Portland, 523 N. W. Everett, Portland 9; Tal Agencies, Inc., 1043 6th Ave. S., Seattle; McLoughlin Co., Inc., 811 East 14th Place, Los Angeles; Spicer-Lindsay Associates, 4960 East Evans Ave., Denver.

DIELECTRIC PRODUCTS CO., 4830 McKnight Road, Pittsburgh 9, Pa.—Tri-State Supply Corp., 544 S. San Pedro St., Los Angeles, and 325 Westlake Ave. North, Seattle 9; Hodges & Glomb, 921 Bryant St., San Francisco.

DINGS MAGNETIC SEPARATOR CO., 4740 W. Electric Ave., Milwaukee, Wis.—Samson Sales Co., 420 Market St., San Francisco; A. W. Nash, 2112 S. Atlantic Blvd., Los Angeles; Joseph F. Taraba Co. P. O. Box 5232, Portland.

DODGE MFG. CORP., South Union St., Mishawaka, Ind.—R. C. Kingsbury, 1885 E. Mountain, Pasadena, Calif.; D. M. Leckey, 250 E. Graves Ave., Littleton, Colo.; J. B. Reaves, 23 San Marino Court, Walnut Creek, Calif.; M. M. Studebaker, 1011 Bayberry Rd., Lake Oswego, Ore.

DOERR ELECTRIC CORP., 510 N. 4th Ave., Cedarburg, Wis.—Engineered Industrial Products, 4072 Olive St., Huntington Park, Calif., and 1775 Timothy Dr., San Leandro, Calif.; Boyd Neely Associates, Box 621, Littleton, Colo.; Carmody Co., 1731 First Ave. South, Seattle 4.

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DOLE VALVE CO., 1901 W. Carroll Ave., Chicago, Ill.—Branch: 6351 Wilshire Blvd., Los Angeles 48

DOLLINGER CORP., 20 Center Park, Rochester 3, N. Y.—J. C. McDougall Co., 520 1st Ave. South, Seattle 4.

DOLPH CO., JOHN C., New Road, Monmouth Junction, N. J.—Tri-State Supply Corp., 544 S. San Pedro St., Los Angeles; 554 Bryant St., San Francisco; 325 Westlake Ave. North, Seattle; Clarence W. Silver Co., 550 W. 7th South St., Salt Lake City; Powell Electric Corp., 5001 Central Ave. N. W., Albuquerque; Electric Motor Supply Co., 1646 Blake St., Denver 2.

DONGAN ELECTRIC MFG. CO., 2987 Franklin, Detroit, Mich.—Tal Agencies, Inc., 1043 Sixth Ave. S., Seattle; Keeler White Co., 523 N. W. Everett, Portland; Hayjax Co., 436 Colyton, Los Angeles; W. A. Roben Co., 1001 Westlake North, Seattle; Electro-Power, East 800 Front Ave., Spokane.

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DRAKE MFG. COMPANY, 4626 N. Olcott Ave., Chicago 31, Ill.—Wm. J. Purdy Co., 312 7th St., San Francisco; Fred F. Alleman Co., 1625 Blake Ave., Los Angeles; Fred H. Haight, 3212 Eastlake Ave., Seattle 2. Stocking Distributors: Radio Products Sales, 1501 S. Hill, Los Angeles 15; F. B. Connelly Co., 1015 Republican St., Seattle 9 and Seattle Radio Supply, Inc., 2117 Second Ave., Seattle 1.

DRAKE ELECTRIC MFG. CO., 3656 N. Lincoln Ave., Chicago, Ill.—Cohn & Shane, Inc., 1323 Venice Blvd., Los Angeles and 685 Folsom St., San Francisco.

DREMEL MFG. CO., 2409 18th St., Racine, Wis. — Federated Sales Co., 5921 No. Temple City Blvd., Temple City, Calif.

DRIER BROTHERS, INC., 7301 Woodlawn Ave., Chicago 19, Ill.—J. H. Kay, 10531 So. Julius Ave., Downey, Calif.; Garrison & Co., Builders' Exchange, 850 S. Van Ness, San Francisco 10; Cliff Warner, 3063 Albion St., Denver; Norman G. Peper, 1446 S. E. 58th Ave., Portland.

DRIER CO., WILBUR B., 1875 McCarter Highway, Newark, N. J.—Branch Office: 2378 Westwood Blvd., Los Angeles.

DRIVER-HARRIS CO., Harrison, N. J.— District Office: 1222 Imperial Ave., El Segundo, Calif.

DUAL-LITE CO., INC., P. O. Box S, Newton, Conn. —A. Cruthers Boyd Co., 1400 S St., Sacramento, Calif.; Murphy-Hain, 333 So. Mission Rd., Los Angeles 33; Burt Schwartz, 1705 30th St., San Diego 2; Harry F. Ream Sales Agency, 1216 Santa Fe Dr., Denver 4; McGillan Sales Co., 1100 Hermosa Drive S.E., Albuquerque.

DUCT-O-WIRE CO., 6520 Bissell, Bell, Calif. — Arthur & Allen, 420 Market St., San Francisco, Calif.; Norman Rupp Co., 103 S.W. Front Ave., Portland, Ore.

DUFF-NORTON CO., 2710 Preble Ave., Pittsburgh 33, Penna.—Branch: 1016 Howard St., San Francisco; 1505 Los Lomas N.E., Albuquerque.

DuKANE CORP., St. Charles, Ill.—District Manager: Roger I. Mason, 1545 N. Monterey, Ontario, Calif. Sold through franchised distributors in all principal cities.

DUNCAN ELECTRIC CO., INC., Route 52, West, Lafayette, Ind.—C. C. Blacksmith, P. O. Box 54, Covina, Calif.; Kitchen Electric Supply Co., Box 1831, Reno, Nev.; W. H. Eddy Elec. Products, Inc., Box 1428, Phoenix; Shaffer & Nelson, 1001 S. E. Water Ave., Portland; 1940 Occidental Ave., Seattle, and P. O. Box 198, Spokane; 1415 S. Main, Salt Lake City; Hamilton Associates, 1236 Elati St., Denver; Montana Electric Supply, P. O. Box 1317, Billings, Mont.; Artwel Elec., Inc., 1485 Bayshore Blvd., San Francisco; Thunderbird Electric Supply, Inc., Box 506, Albuquerque; Central Supply of Alaska, P. O. Box 440, Fairbanks, Alaska; Hawaiian Lighting & Supply Co., P. O. Box 3978, Honolulu; Hawaii Planning Mill, Ltd., Box 337, Hilo, Hawaii.

DUNHAM-BUSH, INC., 179 South St., West Hartford, Conn.—Branch Offices: 1850 Massachusetts Ave., Riverside, Calif.; 2505 West Third St., Los Angeles; 1485 Bayshore Blvd., San Francisco, and 10924 S.W. 59th Ave., Portland.

DUNTON CO., THE M. W., 7 Goff St., Providence, R. I.—Claude Michael Agency, 703 W. Ivy, Glendale 4, Calif.; Toole & Cunningham, 2845 Walnut St., Denver; Carlos W. Stone Co., 2003 Parley's Canyon Blvd., Salt Lake City.

DUPONT, E. I. DE NEMOURS & CO., Wilmington, Del.—Offices in principal cities. Tri-State Supply Corp., San Francisco, Los Angeles, Seattle.

DURA ELECTRIC LAMP CO., INC., 64 E. Bigelow St., Newark, N. J.—Eckert-Lloyd Co., 1950 Naomi Ave., Los Angeles; 1225 6th St., San Francisco; Dale Brown, 1735 South 23rd East St., Salt Lake City; Dougherty Enterprises, P. O. Box 188, Kailua Honolulu, Hawaii.

DURO STEEL CITY—Direct all inquiries to Steel City Elec.

DURO-TEST CORP., 2321 Hudson Blvd., North Bergen, N. J.—Art Jones, 1480 Egbert St., San Francisco, 607 So. Hill St., Los Angeles. Branch Offices: Seattle, Portland, Spokane, Salt Lake City, Phoenix, San Diego, Fresno, Sacramento.

DYMO CORP., 2950 7th St., Berkeley 10, Calif. — Sold by authorized distributors in all principal cities; A. G. Dalla Pozz & Associates, 6112 Rainier Ave. So., Seattle 18.

DYNAMATIC DIVISION, Eaton Mfg. Co., 3122 14th Ave., Kenosha, Wis.—Donal Co., P. O. Box 7013, Portland 19; Shaw Engineering Sales, 8520-B E. Florence Ave., Downey, Calif.; G. M. Wallace & Co., 324 Denham Bldg., Denver 2; Carmody Co., 1731 First Ave., Seattle; Milligan-Spika Co., 1485 Bayshore Blvd., San Francisco; The Mark-Costello Co., 1417 Georgia St., Los Angeles; Hawaiian Fluid Power Corp., 831-H Pohukanina St., Honolulu, Hawaii.

E I M CO. INC., Missouri City, Tex.—Oliver B. Lyman Co., 55 New Montgomery St., San Francisco.

E J S CORP., 921 E. Pico Blvd., Los Angeles, Calif. —Marc Marcus, 921 E. Pico Blvd., Los Angeles; L. M. Baxter Co., 1238 N.W. Glisan, Portland.

E T C CORP., 990 E. 67th St., Cleveland, Ohio — Pacific Elec. Sales Co., 140 S. E. 28th Ave., Portland.

EAGLE ELECTRIC MFG. CO., INC., 23-10 Bridge Plaza South, Long Island City, N. Y.—M. Levin, 205 N.W. Tenth Ave., Portland; Brill Electric Sales, 123 Kansas St., San Francisco 3; Robert B. Focht, 432 Colyton St., Los Angeles; Fred E. Staible & Sons, 2046 Arapahoe St., Denver; Southwestern Sales Co., 6218 W. Indianola, Glendale, Ariz.

EAGLE MFG. CO., 3508 Avalon Blvd., Los Angeles 11, Calif.; R. W. Patton, 444 Dexter Horton Bldg., Seattle 4; M. A. Wagner, 1075 Broadway, Belmont, Calif.; George E. Metcalf, 232 E. 20th Ave., Denver 5.

EAGLE SIGNAL CORPORATION, 202 20th St., Moline, Ill.—Bernard S. Hundley, 3282 Fletcher Drive, Los Angeles 65; Peterson Co., 4949 Colorado Blvd., Denver 16; Branom & Leeland Instr. Co., 2136 2nd Ave., Seattle and 6019 N. E. Union, Portland; Nabaum & Co. Inc., 4777 S. 13th East, Salt Lake City 17; Campbell & George Co., 1601 Cortland Ave., San Francisco 10.

EASTERN SPECIALTY CO., 3617 N. 8th St., Philadelphia, Pa.—Best Linemen's Supply Corp., 543 First Ave. So., Seattle 4; C. C. Blacksmith, P. O. Box 54, Covina, Calif.; Mt. States Machinery Co., 1526 Blake St., Denver 2; Walter Dolde Sales Co., 114 Morningside, N. E., Albuquerque; E. W. Williams, 815 Center St., Dillon, Mont.

EATON MFG. CO., Reliance Div., 25 Charles Ave., S. E., Massillon, Ohio—Hobelmann & Co., 225 Kansas St., San Francisco; Grether & Grether, P. O. Box 47, Stockton, Calif.

EBY INC., HUGH H.—J. W. Marsh, 4216 Jefferson Blvd., Los Angeles 16; 1258 Fitzgerald Ave., San Francisco; 305 East Indian School Road, Phoenix; B. L. Cahn, 420 Market St., San Francisco.

ECONOLITE CORP., 8900 Bellanca Ave., Los Angeles, Calif.—Branch Offices: 389 Clementina, San Francisco; Lloyd Bldg., Seattle.

ECONOMY CABLE GRIP CO., 5 Merritt St., South Norwalk, Conn.—T. A. Ford Co., Inc., 402 Agostino Rd., San Gabriel, Calif.

ECONOMY FUSE DIVISION, Federal Pacific Electric Co., 2070 N. Greenview Ave., Chicago 14, Ill.—Branch offices: 3333 San Fernando Rd., Los Angeles 65; 1872 Rollins Road, Burlingame; P. O. Box 1462, Sacramento; 333 Brokaw Road, Santa Clara, Calif.; 338 North State St., Oswego, Ore.; 1415 Elliott Ave. West, Seattle 99 and West 1115 Broadway, Spokane.

ECONOMY TRANSFORMER CO., INC., 1021 North Pearl St., Centralia, Wash.—Arthur & Allen, 420 Market St., San Francisco; Arthur & Kruse, 9593 Garden Grove Blvd., Garden Grove, Calif.; Muth-Richards Co., 1804 Bush Pl.; Seattle 44; Ray E. Wendling, P. O. Box 3721, Phoenix.

EDERER ENGINEERING CO., 2931 First Ave. So., Seattle, Wash.

EDWARDS COMPANY, INC., Post Hill Road, Norwalk, Conn.—Branch Offices: 1485 Bayshore Blvd., San Francisco; 2500 W. 6th St., Los Angeles; 3350 Fulton Ave., Sacramento, Calif.; 1216 Santa Fe Dr., Denver; P. O. Box 168, Foothill Sta., Salt Lake City; 2207 1st Ave. South, Seattle; 307 Hyde Bldg., Spokane; 1220 N. W. Stark St., Portland; 1400 N. 32nd St., Phoenix; M. Cabot, P. O. Box 3708, Honolulu, Hawaii.

EFFICIENCY ELECTRIC & MFG. CO., Park Ave. Extension, East Palestine, Ohio—Sold through Westinghouse Electric Supply, Graybar and General Electric Supply in all principal cities.

EFCOR—(See Electrical Fittings Corp.)

ELASTIC STOP NUT CORP. OF AMERICA, Elizabeth Division, 1027 Newark Ave., Elizabeth, N. J.— R. B. Clapp Co. Inc., 5404 Alhambra Ave., Los Angeles; John C. Henberger, 4032 Wabaska Dr., San Diego 7, Calif.; McCarthy Sales & Associates, 1485 Bayshore Blvd., San Francisco; Mt. States Machinery Co., 1526 Blake St., Denver 2; Seatronics, Inc., 1817 Norman St., Seattle 44; Pace-Turpin & Co., 726 S. Third W., Salt Lake City; Carl Hower & Co., 340 N. Marshall Ave., Scottsdale, Ariz.; Andrew L. Polich, Inc., 734 N. W. Glisan St., Portland 9.

ELBING ENGRAVERS, 3789 24th St., San Francisco 24, Calif.

ELECTRADIANT CORP., 500 Del Monte Ave., Monterey, Calif.

ELECTRA INSULATION CORP., 33-30 57th St., Woodside, N. Y.—Tri-State Supply Corp. in following cities: 544 S. San Pedro St., Los Angeles; 554 Bryant St., San Francisco; 325 Westlake Ave., North, Seattle.

ELECTRA MOTORS, INC., 1110 N. Lemon St., Anaheim, Calif.—McCarthy-Hood Assoc., 1485 Bayshore Blvd., San Francisco 24; Floyd O. Davis, 2326 E. Henshaw, Phoenix; Hubert Kaub & Co., 1025 Santa Fe Ave., Denver 4; Electra Motors, Inc., 1016 S. Main St., Seattle 4, and 826 S.E. 166th Place, Portland 33; Electrical Sales Co., P. O. Box 49, Salt Lake City; Bitco Pacific Corp., 501 South St., Honolulu; Honolulu Iron Works, 570 Auahi St., Honolulu.

ELECTRAN CO., 4550 N. E. Alberta, Portland, Ore Now Miller Transformer Co.

ELECTREND PRODUCTS CORP., State & Water Sts., St. Joseph, Mich. — Montgomery Brothers, Inc., 1122 Howard St., San Francisco, 4800 District Blvd., Los Angeles, 911 Western Ave., Seattle 4 and 1632 N. W. Johnson St., Portland; Values, Inc., 2718 Telegraph Ave., Berkeley, Calif.; Jones Electric, 22001 Meekland Ave., Hayward, Calif.; Hill & Deitrick, 417 E. 10th Ave., Oakland, Calif.; Valley Elec., Redding, Calif.; D. M. Christensen, San Rafael, Calif.; Electrical Distributing Co., 1530 E. Washington, Phoenix, Ariz.; Crosby Lumber Co., Springerville, Ariz.; E. & M. Equipment Co., 2415 15th St., Denver; Ryall Elec. Supply, 2627 W. 6th Ave., Denver; San Isabel Electric Assn., La Veta and Pueblo, Colo.; Castle Corvallis Electric, Corvallis, Ore.; Graybar Elec. Co. Inc., 336 N. 3rd St., West Salt Lake City.

ELECTRIC ARC, INC., 152 Jelliff Ave., Newark, N. Y —Lombard Smith Co., 714 W. Olympic Blvd., Los Angeles; Benno Persitz, 500 Wall St., Suite 207, Seattle.

ELECTRIC AUTOLITE CO., P. O. Box 931, Toledo, Ohio—J. M., 505 E. Rosecrans Ave., Gardena, Calif

ELECTRIC CONTROLLER & MFG. DIV. OF SQUARE D CO., 4500 Lee Road, Cleveland 28, Ohio—Branch Offices: 4335 Valley Blvd., Los Angeles 32, and 211 Industrial St., San Francisco.

ELECTRIC CORDS & SUPPLY CORP., (Sub. of Royal Electric Corp.) 413 East 3rd St., Los Angeles 13, Calif.—Eckert-Lloyd Co., 1950 Naomi Ave., Los Angeles 11 and 1225 6th St., San Francisco 7; Howe & Howe, 4328 No. 42nd Place, Phoenix; Fred A. Pease Co., 4921 E. 38th Ave., Denver 7; Northwestern Agencies, 4130 First Ave., South, Seattle 4, and 2941 N. W. Quimby St., Portland.

ELECTRIC DOORMAN CO., 3720 West 54th St., Los Angeles, Calif.

ELECTRIC FISH SCREEN CO., 1130 N. Poinsettia Place, Hollywood 46, Calif.—Direct from manufacturer.

ELECTRIC MACHINERY MFG. CO., 800 Central Ave. Minneapolis, Minn.—Branch Offices: 420 Market St., San Francisco; P. O. Box 58213, Los Angeles; 2603 Western Ave., Seattle; 1233 N. W. 12th Ave., Portland; 550 W. 7th South St., Salt Lake City; P. O. Drawer 5197, Phoenix; 829 Maryland Ave., Butte, Mont.; 1644 Blake St., Denver; Garland Affolter, 2603 Western Ave., Seattle, and 1233 N. W. 12th Ave., Portland.

ELECTRIC PRODUCTS CO., 1725 Clarkstone Road, Cleveland 12, Ohio—Hubert Kaub & Co., 1025 Santa Fe Dr., Denver, and P. O. Box 49 Sugarhouse Sta., Salt Lake City; McCarthy-Hood & Assoc., 1485 Bayshore Blvd., San Francisco; Joe Davidson & Assoc., P. O. Box 108, South Gate, Los Angeles; W. G. Ballantyne, 3707 S.W. 52nd Place, Portland.

ELECTRIC REGULATOR CORP., Pearl St., Norwalk Conn.—Halbar Associates, 1803 West 3rd Street, Los Angeles; Harold Wells, 420 Market St., San Francisco.

ELECTRIC SOLDERING IRON CO. INC., 1760 West Elm St., Deep River, Conn.—J. H. Kay Agency, 713 E. 3rd St., Los Angeles 13.

ELECTRIC SPRAYIT DIVISION THOMAS INDUSTRIES, INC.—(See Thomas Industries Inc.)

ELECTRIC STORAGE BATTERY CO. (See Exide Industrial Marketing Div.)

ELECTRIC SWITCH CORP., 2320 S. Tibbs Ave., Indianapolis, Ind.—L. A. Nott, 1061 Howard St., San Francisco 3; A. W. Nash Co., 2112 S. Atlantic Blvd., Los Angeles 22; James L. Kearns Co. Inc., 6055 N. E. Glisan St., Portland 13.

ELECTRIC TIME COMPANY, INC., 16 Union St., Natick, Mass.—Harry F. Ream Sales Agency, 1216 Santa Fe Dr., Denver 4; F. A. Strohecker, 2207 First Ave., South, Seattle; Burt Schwartz, 2444 30th St., San Diego 4, Calif.; Keith Lagerstrom, P. O. Box 35, Sandy, Utah; Matt Cabot & Associates, Box 3708, Honolulu 11.

ELECTRICAL ENGINEERING & MFG. CORP., 4612 W. Jefferson Blvd., Los Angeles 16—Branches: Oakland, San Francisco, Phoenix.

ELECTRICAL ENGINEERS EQUIPMENT CO. — (See Three E's)

ELECTRICAL FITTINGS CORP., 123 Smith St., East Farmingdale, N.Y.—Branch Office: 822 East 3rd St., Los Angeles 13. Agents: Bruce-Emmett Co., 830 S.E. Alder, Portland 14; 1016 1st Ave. So., Seattle 4; 12103 E. Boone, Spokane 67, and 410 Wall St., Salt Lake City 16; W. B. Imholt Co., 275 Brannan St., San Francisco; Payne & Sloan, Inc., 1101 E. 5th St., Los Angeles, and 3042 W. Pierce St., Phoenix; L. S. Reed & Co., 1018 Lawrence St., Denver 4. (See ad, p. 83)

ELECTRICAL REFRACTORIES CO., East Clark St., East Palestine, Ohio—E. A. Wilcox Co., 173 Utah Ave. So., San Francisco 3, and 915 Arctic Bldg., Seattle 4.

ELECTRICAL SERVICE CO.—See ESCO.

ELECTRICAL TUBULAR PRODUCTS, 74-16 Grand Ave., Maspeth, New York—Weingart & Lustig, 1567 E. 25th St., Los Angeles; Pacific Electric Sales Co., 140 S.E. 28th Ave., Portland; The Allen B. Carpenter Co., 1314 Wazee St., Denver 4.

ELECTRICAL UTILITIES CO., 2429 St. Vincent Ave., **La Salle 16, Ill.—W. E. Kirk Co., 415 Wall St.,** Los Angeles 13; Jos. C. Platt, 111 Bell St., Seattle.

ELECTRIDUCT & FLEXIDUCT, 615 S. 2nd St., Laramie, Wyo.— Arthur & Allen, 420 Market St., San Francisco; Krause Engineering, 741 E. Artesia, Long Beach, Calif.

ELECTRI-FLEX CO., 60 W. Central, Rosella, Ill. — Staible & Sons, 2046 Arapahoe, Denver; Paul D. Jacobs, 420 Market St., San Francisco; John M. Fincke, 1848 N. Main St., Los Angeles 31; Sterling Equip. Co., 320 Second & Cherry Bldg., Seattle 4.

ELECTRO-FLEX HEAT, INC., 83 Woodbine St., Hartford, Conn.—Pennwarden-Dailey Assoc., 7311 Van Nuys Blvd., Van Nuys, Calif.; Technical Sales, 204 W. Lucile St., Seattle; Franklin Sales Co., 2149 S. Clermont St., Denver.

ELECTRO CAPACITORS CO., 10132 Edes Ave., Oakland 3, Calif.—H. G. Rising Co., 151 N. Vermont Ave., Los Angeles 4; C. E. Riggs, Inc., 422 N.W. 8th, Portland and 408 Occidental, Seattle.

ELECTRO COMPOUND CO., 4145 W. 150th St., Cleveland, Ohio—Oregon Mfg. Agents, 327 N.W. 10th St., Portland; W. E. Starr & Co., 926 South Atlantic Blvd., Los Angeles 22; The Baxter Co., 101 Kansas St., San Francisco 3; Strong & Humphrey, 110 Yuma, Denver 23, Colo.

ELECTRO CORDS CO., 4020 Avalon Blvd., Los Angeles, Calif.—E. D. Maupin, 4020 Avalon, Los Angeles.

ELECTRO DYNAMICS DIV. of General Dynamics Corp., 163 Avenue A, Bayonne, N. J.—Branch Offices: 2627 San Fernando Rd., Los Angeles; 383 Brannan St., San Francisco and 1731 1st Ave. South, Seattle; Vincent McCrann, 3605 N.E. 16th Ave., Portland; R. E. Tweedy, 356 E. Alvarado St., Phoenix; Stuart Electric, 13 E. 15th St., So., Salt Lake City; W. A. Lefler, 108 N. 23rd St., Billings; John C. Henberger Co., 4032 Wabaska Dr., San Diego; Egbert & Associates, 235 Montgomery St., San Francisco.

ELECTRO ENGINEERING WORKS, 401 Preda St., San Leandro, Calif.

ELECTRO LIFT, INC., 204 Sargeant Ave., Clifton, **N. J.—Irving G. King & Co., 821 Mateo St., Los Angeles 21; Robert M. Taylor Co., 268 Market St., San Francisco 11.**

ELECTRO LIGHTING CORP.—(See Curtis-Electro Lighting)

ELECTRO MECHANISM CO., Fullerton, Calif. — Artwel, Inc., 1485 Bayshore Blvd., San Francisco.

ELECTROMODE, Division Commercial Controls, 570 Culver Rd., Rochester, N.Y.—J. E. Shull & Son, 3350 Whittier Blvd., Los Angeles 23; Donald S. Gleason & Associates, 4710 University Way, Seattle; George Miller, P. O. Box 232, Wheatridge, Colo.; M. A. Stensen, 1211 Academy St., Belmont, Calif. Distributor: Western Electric Heating, 168 Golden Gate Ave., San Francisco. (See ad, p.)

ELECTRO-MOTIVE DIV., GENERAL MOTORS CORP., La Grange, Ill.—Branch Offices: M. Weber, 235 Montgomery St., San Francisco—Covers Mont., Ida., Wash., Ore., Wyo., Utah and Nev.; N.W. Mount, 235 Montgomery St., San Francisco—Covers Calif., Ariz. and N.M.

ELECTRO PRODUCTS MFG. CO., 8310 N. E. Highway 99, Vancouver, Wash.

ELECTRO RAY MFG. CO., 8310 N. E. Highway 99, Vancouver, Wash. — Branch Office: 366-55 Mulberry Ave., Newark, Calif.; 8310 N.E. Highway 99, Vancouver, Wash., 7514½ E. Newmark Ave., South San Gabriel, Calif.; Lowell Evans, 3350 N.E. 178th, Seattle; Floyd James, 511 S. 92nd, Tacoma.

ELECTRO RUST-PROOFING CORP., 30 Main St., Belleville, N. J.—Electro Rust-Proofing Corp., 1713 S. California, Monrovia, Calif.; 2180 Palou St., San Francisco; 921 S.W. Washington St., Portland 5.

ELECTRO SNAP CORP., 4218 W. Lake St., Chicago, Ill.—(See Control Switch Div.)

ELECTRO SWITCH CORP., King Street, Weymouth 88, Mass.—Manufacturing Equip. Co., 1413 East 20th, Los Angeles; L. A. Nott & Co., 1061 Howard St., San Francisco 3; Carlson Sales, Inc., 1201 Dexter Ave., Seattle; 935 N. W. 12th Ave., Portland, and 604 Utah Ave., Butte, Mont.

ELECTRO SWITCH & CONTROLS, INC., 5757 Camille Ave., Culver City, Calif.

ELECTRO-THERM, INC., 931 Selim Road, Silver Spring, Md.—R. A. Russell, 2314 Duane St., Los Angeles; D. A. Quinn, 9320 S.E. Shoreland Dr., Bellevue, Wash.

ELECTROVECTOR, 475 Flushing Ave., Brooklyn 5, N. Y.—Ken Nichols, 411 S. 121st St., Tacoma, Wash.; Love Electric, 1914 Market St., Tacoma; George Roth, 1003 S.E. Grant, Portland and Taylor Elec. Supply, 211 S.E. Madison, Portland; Tubbs Electric, 124 E. Trent, Spokane; Eoff Electric, 509 N.W. Tenth Ave., Portland; Bean Electric, 924 First Ave. So., Seattle.

ELECTRO-VOICE, INC., Carroll and Cecil Sts., Buchanan, Mich.—Wm. Lanphear Co., 3215 Western, Seattle; McLoud & Raymond, 5528 E. Colfax Ave., Denver 20; Meyer & Ross, 113 10th St., San Francisco; I. R. Stern, 4109 Burbank Rd., Burbank, Calif.

ELECTRON CORP., 663 Rio Grande, Littleton, Colo.

ELECTRONIC CONTRACTORS, INC., 2101 S. E. 6th St., Portland, Ore.

ELITE GLASS CO. INC., 111 W. 22nd St., New York City 11—Bach Associates, 191 Oneida St., Denver; Thomas Clarey, 190 Riverton Dr., San Francisco.

ELLIOTT CO., N. Fourth St., Jeannette, Pa.—Branch Offices: H. P. Hostetter, Mgr., 2350 Equitable Life Bldg., San Francisco 4; V. A. Peterson, Mgr., 714 W. Olympic Blvd., Los Angeles 15; H. R. Bushley, Mgr., 1101 Vance Bldg., Seattle 1; J. H. Petersen, Mgr., 306 Union National Bank Bldg., Denver 3; William Nibley, Mgr., 73 S. Main St., Salt Lake City 11; Crocker Wheeler Motor line distributed by leading distributors in all principal cities.

ELLIOTT CO., DONALD T., 1324 Marsten Road, Burlingame, Calif.

ELLIOTT ELECTRIC PRODUCTS CO., 50-30 98th St., Corona 68, N. Y.—Fred D. Benz Co., 520 4th St., San Francisco 7; Smith & Thomas Co., 561 1st Ave., South, Seattle.

ELLIOTT MFG. CO., B. W., 252 Prospect Ave., Binghamton, N. Y.—Milligan Spika Co., 1485 Bayshore San Francisco; Industrial Product Sales, 1417 Georgia St., Los Angeles 15.

ELRECO CORPORATION, 2900 Cormany St., Cincinnati 25, Ohio—J. W. Watkins, 645 Skinner Bldg., Seattle 1; Union Supply Co., Box 6735, Stockyards Sta., Denver 16; Carlsbad Supply Co., 501 Park Dr., Carlsbad, N. M.; Sales Eng. Co., 526 W. 8th St., Salt Lake City; Ralph B. Black, 1921 Blake St., Denver 2.

ELTON CONNECTOR CORP., 35-20 Borden Ave., Long Island City 1, N. Y.—Suchman Associates, 837 East 4th Place, Los Angeles 13.

ELWELL-PARKER ELECTRIC CO., 4544 St. Clair Ave., Cleveland 3, Ohio—Colby Steel & Mfg. Co., 65 Horton St., Seattle 4; I. G. Perin Co., 575 Howard St., San Francisco 5; Landes, Zachary & Peterson, 275 Kalamath St., Denver 23; J. W. Lafferty Co., 11371 S. Atlantic, Lynwood, Calif.

EMBLEM TAPE & LABEL CO., 1414 Blake St., Denver, Colo.

EMERSON ELECTRIC MFG. CO., 8100 Florissant Ave., St. Louis 21, Mo.—West Coast States; Emerson-Pryne Co., 1315 Howard St., San Francisco; Norwest Co., 210 N. 36th St., Seattle 3; W. H. Cress Co., 201 Concord Bldg., Portland; Monte Mauntel, 2690 E. 3210 South, Salt Lake City; Jack Burke, 2091 Beryl St., San Diego, Calif.; Harold Kroh, 836 Ocean View Dr., Honolulu 16, Hawaii.

EMERSON-IMPERIAL, Loyalhanna Park, Latrobe, Penna.—Norwest Co., 210 N. 36th St., Seattle; W. Cress Co., 201 Concord Bldg., Portland; O. G. Binswanger, 1513 South 16th East, Salt Lake City; Doug Simmons, 2955 Jackson St., San Francisco; Darrell Haye, 14919 Templar Dr., La Mirada, Calif.; Bill Armstrong, % Hawaiian Light & Supply, Honolulu, Hawaii.

EMERSON-PRYNE CO., 206 N. Towne Ave., Pomona, Calif.—Branch Offices: 1315 Howard St., San Francisco 3; 526 E. 12th St., Los Angeles; W. H. Cress Co., Concord Bldg., Portland 4; John W. Reynolds Co., 1481 S. Main St., Salt Lake City; Gaer Sales, 1223 Quivas St., Denver; Gordon W. Laursen & Sons, 1116 Dartmouth Dr. N. E., Albuquerque; Norwest Co., 330 2nd Ave. W., Seattle; Jerry Redburn, 2841 E. Osborn, Phoenix; Cochrane-Stephenson (Western), Ltd., 1324 Franklin St., Vancouver, B. C.

EMPIRE CORP., 1566 South 83rd St., Milwaukee, Wis.—Nourse Equip. Co., 2300 Fourth St., Berkeley, Calif.

EMPIRE DEVICES PROD. CORP., 37 Prospect St., Amsterdam, N. Y.—G. M. Gillett, 4621 7th Ave., South, Seattle 8; Carl A. Stone Assoc., Inc., 8971 National Blvd., Los Angeles 34; White and Co., 788 Mayview Ave., Palo Alto, Calif.; Williams & Assoc., Inc., 2261 S. Albion St., Denver 22, 3221 Silver S.E., Albuquerque, and 320 E. 4th St. S., Salt Lake City.

EMPIRE METAL PRODUCTS CO., 5543 West Roosevelt Road, Chicago 50, Ill. — Sherman-Mitchell & Co., P.O. Box 49797, Los Angeles 49; Hamilton Associates, 1236 Elati St., Denver 4. (See ad, p. 49)

ENDUR PRODUCTS CO., 721 Goshen Ave., Visalia, Calif.—Pacific Industries, 8255 Beverly Blvd., Los Angeles 48.

ENGELHARD HANOVIA, INC., 100 Chestnut St., Newark, N. J.—Branch Office: Los Angeles and San Francisco. Distributors: Corwin Co., 1060 So. Figueroa St., Los Angeles; Incandescent Supply, 647 Mission, San Francisco; Banner Dist. Co., 15th and Blake, Denver; Electronic Heating Co., 2727 W. 6th, Denver; Savier Elec. Products, Reno; Vitus Elec. Supply, Eugene, Ore.; H. E. Heath Co., 77 Marion St., Seattle; Columbia Elec. Supply and Tubbs Electric Co., Spokane.

ENGINEERING ENTERPRISES, INC., 702 West 5th St., Charlotte, N. C.—Pacific Utilities Supply Co., 141 King St., San Francisco.

ENJAY BUTYL CO., 15 West 51st St., New York City—Branch: 3325 Wilshire Blvd., Los Angeles.

ERASER CO. INC., 1060 S. Clinton St., Syracuse 4, New York—Phil Heckendorn, 803 Houseman Ave., LaCanada, Calif.

ERICO PRODUCTS, INC., 2070 E. 61st Pl., Cleveland, Ohio — Erico Products, Inc., 9771 Oma Place, Garden Grove, Calif. Distributors: Calif. Wholesale Elec. Co., 2548 Yates Ave.; Los Angeles; Martin Supply Co., 2100 S. San Pedro, Los Angeles; Pacific Utilities Supply Co., 141 King St., San Francisco; Landes, Zachary & Peterson, 601 S. Jason St., Denver 23; Cascade Distributors, 1918 1st Ave. S., Seattle 4, and 1321 W. 2nd Ave., Spokane; Western Specialty Co., 2200 W. Willetta St., Phoenix.

ERICSON MFG. CO., THE, 1660 Hayden Ave., Cleveland, Ohio—Guenther & Tate, 825 Taylor Ave., Seattle 9, and 79 S.E. Taylor, Portland; Norman F. Ross, 4227 N. Monte Vista Dr., Scottsdale, Ariz.; R. D. Florance & Assoc., 2052 Humboldt St., Denver.

ERICSSON CORP., 102 Park Ave., New York City, N. Y.—Calrepco, 1417 Georgia St., Los Angeles.

ERIE BOLT & NUT CO., Erie, Pa.—Branch Offices: 4000 York St., Denver 5, 3342 Del Rio Rd. S. W., Albuquerque, 309 S. W. Third Ave., Portland 4, 2520 S. State St., Salt Lake City, Room 200, Prefontaine Bldg., Seattle. Maydwell & Hartzell, Inc., in following cities: 870 Tennessee St., San Francisco, 427 W. 5th St., Los Angeles 13, 5823 Henley Dr., San Diego, and 120 S. 29th St., Phoenix.

ERIE RESISTOR CORP., 644 W. 12th St., Erie, Pa.—**Allen I. Williams Co., 124 W. 12th Ave., Denver; David H. Ross Co., 534 El Camino Real, San Carlos, Calif.; George Osborn, 12932 S. Weber Way, Hawthorne, Calif.**

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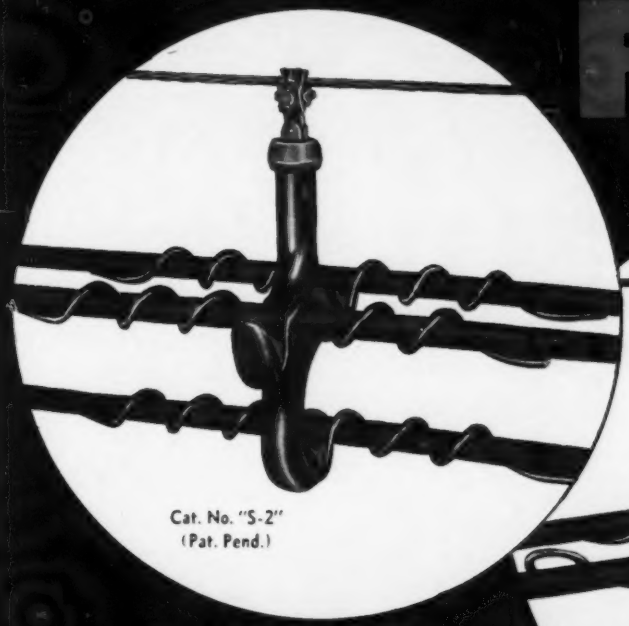

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2. FIRST with a spacer that can easily be installed with "hot sticks" without service interruptions.
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(See listing, Sales Offices, p. 26)

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ESS INSTRUMENT CO., 96 S. Washington Ave., Bergenfield, N. J.—Landes, Zachary & Peterson, 153½ W. 2nd S., Salt Lake City, and 275 Kalamath St., Denver 23; David A. Darling, 850 West Hastings St., Vancouver, B. C.; Crown Engineering Co., 113 S. Alvarado St., Los Angeles 57; Stillson Associates, 33 Meadowpart Ct., Orinda, Calif.; Sight and Sound, 4325 S. W. 96th Ave., Beaverton, Ore.; John Williams Co., 766 Dexter Horton Bldg., Seattle 4.

ESSEX WIRE CORPORATION, Fort Wayne, Ind.—Factory at Anaheim, Calif. Branch Offices: 274 Harbor Way, San Francisco; 6415 E. Fleet St., Los Angeles; 213 N. First Ave., Phoenix; 1231 N.W. Hoyt St., Portland.

ESSEX WIRE CORP. OF CALIF., Anaheim, Calif.—District Offices and Warehouses: 274 Harbor Way, San Francisco; 6415 E. Fleet St., Los Angeles; 1231 N. W. Hoyt St., Portland.

ESSICK MFG. CO., 1950 Santa Fe Ave., Los Angeles, Calif.—Eric F. Chemnitz, 1096 Yerba Buena Ave., Emeryville, Calif.; Edgar G. Hanson, 545 West Van Buren, Phoenix 3; William H. Fuller, 1038 Palm Ave., Whittier, Calif.; Hardesty-Favero & Co., Inc., 1731 1st Ave. S., Seattle; E. P. Murr, 2243 W. 32nd Ave., Denver; A. B. Cline, 905 Deseret Bldg., Salt Lake City.

ESTERLINE-ANGUS, INC., P. O. Box 596, Indianapolis, Ind.—T. R. Routh Co., 1209 Capuchino Ave., Burlingame, Calif.; J. E. Redmond Supply Co., P. O. Box 869, Phoenix; Brenner-Fiedler & Associates, 7563 Melrose Ave., Los Angeles; Mt. States Machinery Co., 1526 Blake St., Denver 2; Shaffer & Nelson, Inc., W. 1835 Broadway, Spokane 10, 312 Occidental Ave., Seattle 4, 1001 S.E. Water Ave., Portland 14, and 1415 So. Main St., Salt Lake City 15.

ETC INCORPORATED, 990 E. 67th St., Cleveland 3, Ohio—Electrical Specialty Co., 158-168 Eleventh St., San Francisco, 2820 E. 12th St., Los Angeles, 2026 Arapahoe St., Denver, 2442 First Ave. So., Seattle, 1822 N.W. 25th Ave., Portland, and P. O. Box 232, Phoenix.

ETTCO WIRE & CABLE CORP., 75 Onderdonk Ave., Brooklyn, N. Y. —The McLoughlin Co., 811 E. 14th Place, Los Angeles; Kesler-White Co., 615 7th St., San Francisco.

EUCLID ELECTRIC & MFG. CO., 50 Edwards St., Madison, Ohio—Representatives: P. J. Burrill, 2131 Washington Ave., San Leandro, Calif.; A. W. Nash Co., 2112 South Atlantic Blvd., Los Angeles 22. Star Machinery, 241 Lander St., Seattle 4 and 3325 N.W. Yeon Ave., Portland, and E-415 Sprague Ave., Spokane; R. E. Cathy Co., 4950 E. Evans Ave., Denver 22 and 4874 Andlor Dr., Salt Lake City 17; Central Station Equip. Co., 2323 Aviation Highway, Tucson, Ariz. Distributors: Rundel Electric Co., 230 Adrian Rd., Millbrae, Calif.; General Electric Supply, P. O. Box 2859, Terminal Annex, Los Angeles; H. G. Rising Co., 141 N. Vermont Ave., Los Angeles; Ind. Elec. Service Co., 319 South 1 St., Aberdeen, Wash.; Brown Wholesale Elec., 210 S. 29th St., Phoenix.

EUTECTIC WELDING ALLOYS CORP., 538 20th St., Oakland, Calif.—Branch Offices: 5348 Jillson, Los Angeles; 2712 Second Ave., Seattle; 1402 South 7th St., Phoenix and 540 Cooke St., Honolulu, Hawaii.

EVERHOT MFG. CO., 57 S. 19th Ave., Maywood, Ill.—Los Angeles Stam & Stay. Co., 1500 S. Los Angeles St., Los Angeles; Patrick & Co., 560 Market St., San Francisco 4; C. O. Armstrong, 267 12th St., Oakland 7; Tacoma Rubber Stamp Co., 933 Commerce, Tacoma, Wash.

EVERLEY COMPANY, PAUL S., 550 9th St., San Francisco, Calif.

EVERSON ELECTRIC CO., 1126 Union Blvd., Allentown, Pa.

EVERSTICK ANCHOR CO., 9th and Kirkwood St., Fairfield, Iowa—Josyln Pacific Co., San Francisco, Los Angeles, Seattle and Portland; Graybar Electric Co., Inc., San Francisco, Sacramento, Phoenix and Denver; Westinghouse Electric Supply Co., and General Electric Supply Co., all principal cities; Paul A. Douden Co., and Hendrie & Bolthoff, Denver. (See ad, p. 26)

EVERWARM, INC., 3600 Pleasant Ridge, Knoxville 16, Tenn.—Sheeter Co., 2508 W. 6th, Los Angeles.

EXCEL ELECTRIC SERVICE CO., 2113 South Western Ave., Chicago 8, Ill.—Brenner-Fiedler & Assoc., 7563 Melrose Ave., Los Angeles; T. R. Routh Co 1209 Capuchino Ave., Burlingame, Calif.; C. H. Spencer & Co., P. O. Box 1054, Salt Lake City; J. A. Tudor & Assoc., 2605 Western Ave., Seattle.

EXECUTONE, INC., 415 Lexington Ave., New York City—Executone Southern California Corp., 113c Fair Oaks Ave., South Pasadena, Calif.; Executone Company of Northern California, 455 Ellis St., San Francisco 2; Executive Systems Co., 222 S. W Main St., Portland 4; 3230 Western Ave., Seattle 1; 154 S. Browne St., Spokane; P. O. Box 1849 Phoenix; 2601 E. 3rd Ave., Denver, and P. O. Box 96, Idaho Falls, Idaho.

EXIDE INDUSTRIAL MARKETING DIV. of Electric Storage Battery Co., Rising Sun & Adams Aves., Philadelphia 20, Pa. — Branch Offices: 1043 S. Grand Ave., Los Angeles; 6150 Third St., San Francisco; 916 West Adams St., Phoenix; 1515 Cleveland Place, Denver; 1224 S. W. Morrison St., Portland; P. O. Box 15065, Salt Lake City; 500 Wall St., Seattle.

F. A. B. MANUFACTURING CO., 1249 67th St., Oakland, Calif.—Paul K. Haggard Co., 5800 E. Marginal Way, Seattle; Gillespie Equip. Co., 1947 N. W. Overton St., Portland; Halline Utility Equip. Co., 5525 S. E. 28th Ave., Portland; Williamsen's, Inc., 1103 South 6th West, Salt Lake City; Holan Corp., Timpte Div., 5990 N. Washington St., Denver; Holan Corp., Timpte Div., 3605 W. Clarendon St., Phoenix; Fabco Equip. Co., 1249 67th St., Oakland.

FWD CORPORATION, Clintonville, Wis.—Branches, District Supervisors: Jack Kelly, 1864 Westwood Pl., Pomona, Calif.; Authorized Sales and Service: Arizona Cedar Rapids Co., 1802-10 W. Jackson, Phoenix; The FWD Pacific Co., 850 Harrison St., San Francisco 7; MacDonald Equipment Co., 5300 Colorado Blvd., Denver 16; Steffeck Equipment Co., 1825 N. Main St., Helena; Kimball Equipment Co., 1846 S. 2nd West, Salt Lake City; Feenaughty Machinery Co., 1028 6th Ave., South, Seattle 4; Feenaughty Machinery Co., N. 715 Division St., Spokane; Leonard Motor Co. Inc., 2601 Second N. W., Albuquerque, N. M. Ernest J. Lindbo, Dist. Sales Mgr., 1301 Derrington, Casper, Wyo.; Calavar Corp., 13750 E. Firestone Blvd., Santa Fe Springs, Calif.; Feenaughty Machinery Co., 4800 N. E. Columbia Blvd., Portland 18, Ore.

FAIRFIELD INDUSTRIES, West Passaic Ave., Caldwell, N. J.—Rutkin Electrical Sales, 744 Kohler St., Los Angeles; Kenneth L. Tamiesie Co., 1825 S. W. 6th Ave., Portland 1, Ore.; C. D. Keeler Co., 1525 Jackson St., Oakland 12, Calif.

FALCON EQUIPMENT CO., P. O. Box 255-E, New Brighton, Pa.—Montgomery Brothers Inc., in following cities: 1122 Howard St., San Francisco; 1632 N.W. Johnson, Portland; 911 Western Ave., Seattle, and 4800 District Blvd., Los Angeles; 5103 N. Hawthorne, Spokane.

FANNER MANUFACTURING CO., Brookside Park, Cleveland 9, Ohio—Andrew L. Polich, Inc., 734 N. W. Glisan St., Portland, and 3220 16th Ave. W., Seattle 99, Wash.; Slaybaugh-Thompson Co., 100 W. 13th Ave., Denver 4, Colo.; Smith Sales Co., 1801 Somervell N. E., Albuquerque, N. M. Maydwell & Hartzell, Inc. in the following cities: 870 Tennessee St., San Francisco 7, Calif., 6400 Corvette St., Los Angeles, 206 W. Island Ave., San Diego, 120 S. 29th St., Phoenix, Ariz., 2318 N. W. Vaughn St., Portland 10, Ore., P. O. Box 415, Medford, Ore., 1216 Poplar Place South, Seattle 44, Wash., 121 S. Monroe St., Spokane 8, Wash., 110 E. 6th St., Tucson, Ariz. Line Material Industries in the following cities: 360 Shaw Road, S. San Francisco, Calif., 7105 S. Paramount Blvd., Pico Rivera, (Los Angeles), Calif.; J. E. Redmond Supply Co., 625 W. Madison St., Phoenix, Ariz.; 1123 Teneighth Way, Sacramento, Calif.

FANNO SAW WORKS, 224 W. 8th Ave., Chico Calif. — Sold by leading jobbers in all cities. Baker & Hamilton, 700-768 Seventh St., San Francisco 19, Calif.; California Pest Control, 1000 Mariposa St., San Francisco 10, Calif.; Century Supply Co., 7440 Fulton Ave., North Hollywood, Calif.; Dunham, Carrigan & Hayden Co., Kansas & Division St., San Francisco 19, Calif.; Seattle Hardware Co., 501 First Ave. S., Seattle, Wash.; Wells & Wade Hardware, Wenatchee, Wash.; Yakima Hardware Co., P. O. Box 1021, Yakima, Wash.

FANNON PRODUCTS DIV., Hupp Corp., 3000 East Woodbridge, Detroit, Mich.—F. Lee Davis, P. O. Box 485, Anaheim, Calif.

FANSTEEL METALLURGICAL CORP., North Chicago Ill.—Fansteel Metallurgical Corp., 2425 Mission St., San Marino, Calif.; Rowley-Bouvette, Inc., 955 Folsom, Salt Lake City; Aviation Electric Pacific Ltd., Vancouver AMF, B. C.; Avionics Liaison, Inc., 6770 Perimeter Rd., So., Seattle 8; Howe & Howe, 4328 N. 42nd Pl., Phoenix.

FARADAY, INC., 2011 W. Beecher Rd., Adrian, Mich. —W. C. Osborn, P. O. Box 6734, Phoenix; L. M. Slusser, P. O. Box 104, Salt Lake City; W. W. Wheat & Son, 3818 East Marginal Way, Seattle; Robert F. Schow & Co., 926 Atlantic Blvd., Los Angeles; Stanley Sales Corp., 1122 Folsom St., San Francisco; Strong & Humphrey, 110 Yuma St., Denver 23.

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FARIES DIV.—(See Fostoria Corp.)

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201 University Blvd., Denver 6, Colo. Installation and Service Engineering Department—R. A. Hammond, Manager, Pacific Northwest District, 235 Montgomery St., San Francisco, Calif.; R. B. Barton, Manager, Pacific Southwest District, 212 N. Vignes St., Los Angeles, Calif.; J. L. Bauer, Manager, Rocky Mountain District, 201 University Blvd., Denver 6, Colo.
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Export Sales—Philips Export Co., 100 East 42nd St. New York 17, N.Y.

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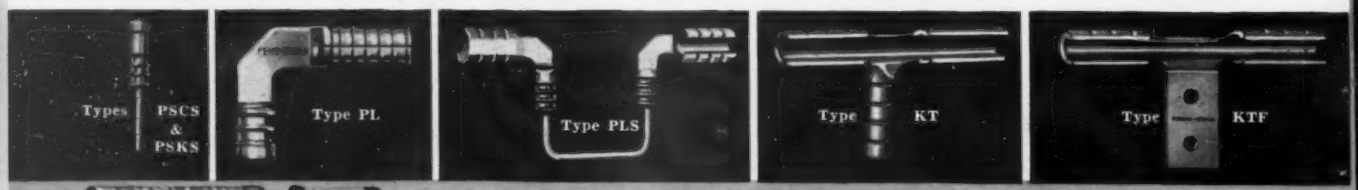

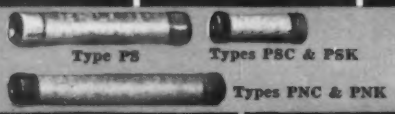

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Types KSL-KUL-KWL

HANDLEY-BROWN CO., 2101 Brooklyn Rd., Jackson, Mich.—See Alrective Div., McGraw-Edison Co.

HANNIFIN CO., 501 S. Wolf Rd., Des Plaines, Ill.—Branch: 10567 Jefferson Blvd., Culver City, Calif.; Zachary and Peterson Co., 601 S. Jackson, Denver; P. O. Box 3245, Albuquerque, and 2501 S. State, Salt Lake City 15; Jack Ogle & Co., Inc., 861 Poplar Pl., Seattle; Dupar Dynamics, Inc., 695 "B" St., Hayward, Calif.; 1960 S. E. Hawthorne St., Portland 14, and 220 Westlake N., Seattle 9; Haskel Eng. & Supply, 1236 S. Central Ave., Glendale 4, Calif.; 225 11th St., San Francisco 3, and 216 Clayton St., Denver 6.

HANOVIA LAMP DIV.—See Engelhard Hanovia, Inc.

HARBINSON & CO., INC., James K., 420 Lexington Ave., New York, N. Y.—Paul S. Everly, 550 9th St., San Francisco.

HARDWICK, HINDLE, INC., 40 Hermon St., Newark 5, N. J.—W. R. Entrikin Co., P. O. Box 393, Balboa Island, Calif.; Bernard L. Cahn Co., 420 Market St., San Francisco; Ray Johnston, 1011 E. 69th, Seattle.

HARPER CO., H. M., 8200 Lehigh Ave., Morton Grove, Ill.—Branch Offices: 5600 West Centinela St., Los Angeles, and 3835 Piedmont Ave., Oakland 11, Calif. A. Roth, 1719 Boulder, Denver.

HARPER ELECTRIC FURNACE CORP., 110 Pearl, Buffalo 2, N. Y.—Lombard Smith Co., 714 W. Olympic Blvd., Los Angeles; T. C. Jarrett Co., 95 South Ammons St., Denver; H. E. Hartley Co., Boeing Field, Box 81, Seattle 8; John H. Lease, Box 246, Sta A, Palo Alto, Calif.

HARRINGTON COMPANY, THE, Gravers Road, Plymouth Meeting, Pa.—S. H. Baldwin, P. O. Box 755, Los Gatos, Calif.; F. P. Alcock Co., 9434 E. Firestone Blvd., Downey, Calif.

HART MANUFACTURING CO., 127 Bartholomew Ave., Hartford, Conn.—H. D. Campbell Co., 220 9th North, Seattle 9; Westron Sales & Eng., 7407 Melrose Ave., Los Angeles 46; H. D. Campbell Co., 220 9th North, Seattle 9; Westron Sales & Eng., 7407 Melrose Ave., Los Angeles 46.

HARTMAN ELECTRICAL MFG. CO., 175 N. Diamond St., Mansfield, Ohio—Representing aircraft line: Air Supply Co., in following cities—9815 Wilshire Blvd., Beverly Hills, Calif., 201 Boren Ave. North, Seattle 9, 230 Town & Country Village, Palo Alto, Calif., 3380 Harbor Dr., San Diego 1, and 3311 S. Broadway, Englewod, Colo. Representing commercial line: Richard T. Puelicher, 3151 E. Colorado St., Pasadena 8; J. B. Hickman, 503 Maritime Bldg., Seattle 4.

HARVEY ALUMINUM, 19200 S. Western Ave., Torrance, Calif.—Branch Offices: 426 Olive St., San Diego, 2015 Center St., Berkeley, 550 Mercer St., Seattle, 2310 Lloyd Center, Portland; A. A. Gingell Co., 66 Ritch St., San Francisco 7; Associated Electrical Agents, 1000 4th Ave., South, Seattle, and 1003 S. E. Grant, Portland 14.

HARTZELL PROPELLER FAN CO., South Downing St., Piqua, Ohio—Florentine & Co., P. O. Box 144, Santa Clara, Calif.; George W. Leseman & Co., 2310 Redondo Beach Blvd., Torrance, Calif.; Standard Electric Sales, 204 W. Lucile St., Seattle; Frontier Engineering Services Co., 2361 S. Main St., Salt Lake City 15.

HATFIELD WIRE & CABLE CO., 487 Hillside Ave., Hillside, N. J.—Agencies Company, 836 Traction Ave., Los Angeles 13; F. M. Nicholas Co., 72 Townsend St., San Francisco.

HATHAWAY INSTRUMENTS, INC., 5800 East Jewell, Denver 22, Colo.—Williams & Associates, Inc., 2263 S. Albion St., Denver 22; R. L. Pflieger Co. Inc., 1652 Laurel St., San Carlos, Calif.; Benno Persitz, 114 Garfield St., Seattle 9.

HAWS REFRACTORIES CO., 407 Main St., Johnstown, Pa.—E. A. Wilcox Co., 6436 E. Corvette, Los Angeles; 173 Utah Ave., So. San Francisco; Arctic Bldg., Seattle 4.

HAYDON CO., A. W., 232 N. Elm St., Waterbury, Conn.—TransDynamics Inc., in following cities: 4450 Lakeside Dr., Burbank, Calif.; 44 Encina Ave., Palo Alto, Calif.; 2866 Fourth Ave., San Diego; 1215 Poplar Place, Seattle 44; 3385 S. Bannock, Englewood, Colorado; Technical Electronics Corp., 4060 Ince Blvd., Culver City, Calif.

HAYS MFG. CO., 801 West 12th St., Erie, Pa.—Elky Ray, 806 S. Robertson Blvd., Los Angeles; Duane C. Lyle, 4085 Laguna Way, Palo Alto, Calif.; Frank Martin, 821 E. 86th St., Seattle.

HEALY-RUFF CO., Water Level Control Div., 2255 University Ave., St. Paul, Minn.—Waterworks Equipment Co., 502 West Third South, Salt Lake, Boise and Pocatello, Ida.; J. A. Tudor & Assoc., 2605 Western Ave., Seattle 1, 1004 S. E. Belmont St., Portland 14 and West 315 Boone, Spokane; Campbell & George Co., 1601 Cortland Ave., San Francisco 10; Goble, Sampson & Smith, Inc., 5505 East Evans Ave., Denver 22; Central Telemetering & Control, 128 N. Farfield Ave., Monterey Park, Calif.

HEATMORE, INC., 651 Driggs Ave., Brooklyn 11, N. Y.—J & H Sales Co., 8271 Melrose Ave., Los Angeles 46; Oregon Mfgrs. Agents, 317 S. W. Front Ave., Portland 4; Sam Miller, 3320 Forest St., Denver.

HEATUBE CORP., ALBION DIVISION, McGRAW-EDISON CO., 704 N. Clark St., Albion, Mich.—H. D. Campbell Co., 220 9th Ave., No., Seattle 9.

HEIM CORP., WARREN, 222 North Fifth Ave., Mt. Vernon, N. Y.—T. A. Ford Co., 402 Agostino Rd., San Gabriel, Calif.; Pacific Utilities Supply, 141 King St., San Francisco.

HEIFETZ CO., Rte. 81, Clinton, Conn.—Sales Affiliates, 1250 Phelps St., San Francisco.

HEINEMANN ELECTRIC CO., Penna Ave. and Plum St., Trenton, N. J.—Northwestern Agencies, Inc., 4130 First Ave., South, Seattle; Don Porter, 1117 S. Robertson Blvd., Los Angeles; Paul A. Douden & Co., 1645 Wazee St., Denver 7; William Benndorf, 221 E. Camelback Road, Phoenix; Northwestern Agencies, 2941 N. W. Quimby, Portland 10; Campbell & George, 1601 Cortland Ave., San Francisco.

HEIN-WERNER CORP., 1200 National Ave., Waukesha, Wis.—H. C. Babcock Co., 1122 12th St., Denver 4; Dirks & Co., 416 N. W. 14th Ave., Portland 9; The Daniel Co., 600 Sixteenth St., Oakland, Calif.

HELIPOT DIV. of BECKMAN INDUSTRIES, INC., 2500 Fullerton Road, Fullerton, Calif.—Samuel N. Stroum Co., 621 Michigan St., Seattle 22; 6224 E. Burnside, Portland 15; G. S. Marshall Co., 2065 Huntington Dr., San Marino, Calif.; 2015 El Camino Real, Redwood City, and 3525 Fifth Ave., San Diego; Allen I. Williams Co., 2263 South Albion St., Denver, Colo., 3221 Silver Ave., Albuquerque, and 320 E. 4th St., South, Salt Lake City.

HELICOPTER CORP. OF AMERICA, 2519 Airport Ave., Santa Monica, Calif.—3501 West 21st South, Salt Lake City.

HELLER ROBERTS MFG. CORP., Heller Industrial Fastener Div., 6115 Carnegie Ave., Cleveland 3, Ohio—A. D. Moore, 1804 W. 8th St., Los Angeles; Fitzgerald Electro Mechanical Co., 143 Second St., San Francisco; A. & W. Sales Co., 2251 N. Interstate, Portland.

HELWIG COMPANY, 2250 No. 30th St., Milwaukee, Wis.—F. S. Fletcher, 4150 S. Main St., Los Angeles; H. E. Perkins, 422 N. W. 8th Ave., Portland; J. R. Christensen, 247 E. 5th St. South, Salt Lake City; D. R. Ward, 1116 Tenth St., Denver 4; H. W. Kuntz, 2132 W. Encanto Blvd., Phoenix; L. M. Alchimisti, 2505 Mariposa St., San Francisco; D. H. Perkins, 408 Occidental, Seattle; C. E. Riggs, Inc., 422 N. W. 8th, Portland.

HENDERSON ELECTRIC CO., 25 Greenwood Ave., East Orange, N. J.—George Gray Co., 2720 17th St., San Francisco; J. G. Pomeroy Co., 1004 E. 4th St., Los Angeles; Northwestern Agencies, Inc., 4130 First Ave. S., Seattle; J. R. Christensen Agency, 247 East 5th South, Salt Lake City; L. D. Hood Sales Agency, 87 S. Kalamath St., Denver.

HERSEY-SPARLING METER CO., 225 N. Temple City Blvd., El Monte, Calif.—Branch Offices: 1290 Bayshore Highway, Burlingame, Calif.; 904-A Elliott Ave. W., Seattle; 6 East 11th St., Denver; Waterworks Equip. Co., 502 West Third St., Salt Lake City; Lewers & Cooke, Ltd., Honolulu, Hawaii; Arizona Sewage & Water Supply, 4146 E. Washington St., Phoenix; Goble Sampson & Smith, Inc., 5505 East Evans Ave., Denver 22.

HERTNER ELECTRIC CO., 12690 Elmwood Ave., Cleveland, Ohio—John Hyatt Co., 6059½ E. Olympic Blvd., Los Angeles 22; Howard Jordan, 1007 Grand Ave., Phoenix; Herbert Kaub, 1025 Santa Fe, Denver. Offices of Gould-National Batteries, Inc., 949 55th St., Oakland 8, 1973 N. W. Lovejoy St., Portland 9, and 415 So. 2nd East, Room 4, Salt Lake City 1.

HERWIG CO., 618 W. Elm St., Chicago 14, Ill.—Incandescent Supply, 647 Mission St., San Francisco; Hendrie & Bolthoff Co., 1635 17th St., Denver; General Elec. Supply, 700 Turner St., Los Angeles 12; Graybar Electric Co. Inc., 1033 W. Gardner Ave., Spokane 1; Westinghouse Elec. Supply, 949 S. Montana St., Butte; Crescent Elec. Supply, 920 Center St., Tacoma; Electric Supplies Dist., 435 2nd Ave., San Diego.

HETHERINGTON, INC., Folcroft, Pa.—Hetherington, Inc., 139 Illinois St., El Segundo, Calif.; G. R. McKnight, 1436 El Camino Real, Menlo Park, Calif.; Fred McDonald, 1622 100th Ave., N.E., Bellevue, Wash., Fryco, 355 N. Scottsdale Rd., Scottsdale, Ariz.

HEVI-DUTY ELECTRIC CO., 2040 W. Wisconsin Ave., Milwaukee 1, Wis.—Eichorn & Melchior, 932 Terminal Way, San Carlos, Calif.; Clyde P. Elliott Co., 661 W. Delaware St., Denver; Douglas Bolton & Assoc., 2795 E. 3220 South, Salt Lake City; Sola Elec. Co., 3 W. 37th Ave., San Mateo; Murphy-Hain, 333 S. Mission Rd., Los Angeles; Northwestern Agencies, 4130 First Ave. So., Seattle and 50 S. W. Elmran, Lake Oswego, Ore.; Elec. Eng. & Sales, 708 N. Piedras St., El Paso, Tex.

HEWITT-ROBINS, INC., 664 Glenbrook Rd., Stamford, Conn.—Branch Offices: 4747 N. 16th St., Phoenix; 2604 So. Malt Ave., Los Angeles; 55 New Montgomery St., San Francisco; 5075 Colorado Blvd., Denver; 309 S. W. Third Ave., Portland; 241 E. 4th South St., Salt Lake City and 334 East 110th St., Seattle.

HEWSON CO., INC., 443 Broad St., Newark 2, N. J.—E. G. Paules, 1762 W. Vernon, Los Angeles; Fred A. Pease, 4921 E. 38th Ave., Denver 7; Redmond Supply Co., 625 W. Madison, Phoenix.

HEXACON ELECTRIC CO., 161 W. Clay Ave., Roselle Park, N. J.—Dillon Stevens & Co., 1348 Venice Blvd., Los Angeles, and 420 Market St., San Francisco; L. D. Bax, 1317 Delaware, Denver 4; G. E. Engelbrekt, 3210 N. E. 7th St., Seattle 51.

HEXCEL PRODUCTS, INC., 2332 Fourth St., Berkeley, 10, Calif.—R. C. English, 4229 122nd St., S.E., Bellevue, Wash.; McGillian Sales Co., 1100 Hermosa Dr., S. E., Albuquerque, N. M.; Stevens Sales, 1476 Major St., Salt Lake City; Ora Fleischer, 1700 15th St., Denver; LaVigne-Taylor Co., 5657 Wilshire Blvd., Los Angeles.

HEYMAN MFG. CO., Michigan Ave., Kenilworth, N. J.—Agencies Co., 836 Traction Ave., Los Angeles 13; Fisher Switches, Inc., 3199 Park Blvd., Palo Alto, Calif.; Fred A. Pease Co., 4921 East 38th Ave., Denver 7; Pacific Electric Sales Co., 140 S. E. 28th Ave., Portland.

HICKOK ELECTRICAL INSTRUMENT CO., 10561 Dupont Ave., Cleveland 8, Ohio—Branch: 595 N. Lake Ave., Pasadena; 1079 B St., Hayward, Calif.; 2495 Shattuck Ave., Berkeley 4, Calif.; 1502 Preston St., Salt Lake City 8; 1530 13th Ave., Greeley, Colo.; Gene Piety Factors, 2030 Home Rule St., Honolulu, Hawaii.

HIGHWAY TRAILER INDUSTRIES, INC., 502 E. South St., Stoughton, Wis.—W. H. Eddy Electric Products, Inc., 5153 N. 29th Ave., Phoenix; Roblee Utilities Equip., 3423 Fourth Ave. So., Seattle, and 1107 10th St., Berkeley, Calif.; W. H. Pingree Co., 1035 So. 7th West St., Salt Lake City; Calavar Corp., 13750 E. Firestone Blvd., Santa Fe Springs, Calif.; Utility Truck Equip. Co., 1950 31st St., Denver 5.

HILL TRANSFORMER CO., 1777 Industrial Road, Belmont, Calif.—See listings under H. K. Porter Co. Inc., Delta-Star Electric Div.

HIMCO—Hopfeld Industrial Mfg. Co., 734 A St., San Rafael, Calif.—Sold through Distributors and Direct.

HI-SCALE PRODUCTS CORP., 132 W. 22nd St., New York City—Northwest Sales Co., 1603 Northwest Johnson St., Portland 9; Eckart-Lloyd Co., 1950 Naomi St., Los Angeles, and 1225 6th St., San Francisco.

HITEMP WIRES, INC., 1200 Shames Dr., Westbury, Long Island, N. Y.—Ray Johnston Co., 1011 East 69th, Seattle; Rowley-Bouvette, Inc., 651 S. Jason, Denver; James S. Heaton Co., 413 Lathrop St., Redwood City, Calif.; J. C. Rowley & Co., 955 Folsom Ave., Salt Lake City; W. G. Henschen Co., P. O. Box 10356, Phoenix 16. Branch Office: 1532 So. California Ave., Monrovia, Calif.

HI-VOLTAGE EQUIPMENT CO., 4000 E. 116th St., Cleveland, Ohio—Paul A. Douden Co., 1645 Wazee St., Denver; Joslyn Pacific Co., 5100 District Blvd., Los Angeles; 180 Portrero Ave., San Francisco; 808 N. W. 16th Ave., Portland; 2424 First Ave., South, Seattle; 1427 E. 3045 South St., Salt Lake City.

HOBART BROTHERS CO., 1221 Hobart Square, Troy 1, Ohio—Sold through leading distributors all principal cities.

HOFFMAN ENGINEERING CORP., 9th and Tyler, Anoka Minn.—Western Reg. Office: Wm. J. Trenbeth, 8847 De Haviland St., Los Angeles 45; Donal Co., 3139 W. Altadena Terr., Portland; Muth-Richards Co., 1804 Bush Place So., Seattle; Everett Vonier, Inc., 201 Wyandot, Denver; J. Henry Jones Co., 120 Apricot Ave., Salt Lake City 16; W. A. Borden Co., 1808 Harmon St., Berkeley; J. E. Roberts, 1204 So. 2nd St., Aberdeen, Wash.; Wm. Kossnar, 5406 No. 44th St., Phoenix; John P. Bagov Assoc., 611 11th Ave., Anchorage, Alaska.

HOGG & DAVIS, 2590 E. 67th St., Long Beach, Calif.—T. A. Ford Co., Inc., 402 Agostino Rd., San Gabriel, Calif.; A. B. Chance Co. offices in San Francisco and Los Angeles; W. H. Pingree Co., 1035 South 7th West St., Salt Lake City; Utility Truck Equipment Corp., 1950 31st St., Denver.

HOGGSON & PETTIS MFG. CO., 149 Brewery St., New Haven, Conn.—Wm. J. Ashton, 50 Hawthorne St., San Francisco.

HOLAN CORP., 4100 W. 150th St., Cleveland, Ohio —Holan Corp., Timpte Division, 5990 N. Washington, Denver; 3605 W. Clarendon, Phoenix; 4300 2nd N. W., Albuquerque; C. T. Burgess, 1100 Esplanade, Redondo Beach, Calif.; Schetky Equipment, 1810 S. E. 10th Ave., Portland, Ore.

HOLFAST RUBBER CO.—(See Dayton Rubber Co.)

HOLLINGSWORTH & VOSE CO., 112 Washington St., East Walpole, Mass.—Tri State Supply Corp., 544 South San Pedro St., Los Angeles; 554 Bryant St., San Francisco 7; Dougherty Enterprises, 149 Kaimi St., Kailua, Hawaii.

HOLOPHANE CO., INC., 342 Madison Ave., New York City 17—Robert G. Dummel, 667 Howard St., San Francisco 5, Calif.; J. J. McCullough, 26491 Tyrrell Ave., Hayward, Calif.; Paul Davis, 2741 Marine Drive, Bremerton, Wash.; J. G. Platt, 2741 Marine Drive, Bremerton, Wash.; J. G. Platt, 3216 Oakshire Drive, Los Angeles 28, Calif.; F. Sliney, 1453 Brockton Ave., Los Angeles 25; H. E. Gypson, 6152 So. Crestview St., Littleton, Colo. Distribution Outlets: General Electric Supply Co., Westinghouse Electric Supply Co., Graybar Electric Co., in all principal cities, California Elec. Supply Co., San Francisco, Calif.; The Central Elec. Supply Co., Denver, Colo.; Columbia Elec. & Mfg. Co., Spokane, Wash.; Eoff Elec. Supply Co., Portland, Ore.; Love Electric Co., Tacoma, Wash.; North Coast Elec. Co., Seattle, Wash.; Stewart Elec. Supply Co. Bakersfield, Calif.; State Elec. Supply Co., Albuquerque, N. M. (See ad, p. 35)

HOLTZER-CABOT CORP., 125 Amory St., Boston, Mass.—Branch Office: 6132 Whittier Blvd., Los Angeles; Norman Rupp Co., 112 S. W. Pennoyer St., Portland.

HOLUB INDUSTRIES, INC., Sycamore, Ill. — F. M. Nicholas Co., 72 Townsend St., San Francisco; Bruce-Emmett Co., 830 S. E. Alder, Portland, and 1016 First Ave., Seattle; John M. Fincke Co., 1848 N. Main St., Los Angeles; Darger Co., 211 S. 2nd West St., Salt Lake City; Kenneth W. Kutter, 1130 Jersey St., Denver 20; Harold D. Kroh, 836 Ocean View Dr., Honolulu 16, Hawaii.

HOLYOKE WIRE & CABLE CORP., Andrews and Maurer Sts., Holyoke, Mass. — Calrepco, 1417 George St., Los Angeles 15.

HOMELITE DIV., TEXTRON, INC., Riverdale Ave., Port Chester, N. Y.—Branch Offices: 3000 W. Valley Blvd., Alhambra, Calif.; 727 Airport Blvd., South San Francisco; 2308 Ventura St., Fresno; 2234 Auburn Blvd., Sacramento; 1911 22nd Ave. S., Seattle; East 3927 Trent Ave., Spokane; 3463 S. E. Milwaukie Ave., Portland; 7440 Highway 91, North Salt Lake City; 1040 10th St., Denver.

HOPAX ELECTRIC, INC., 547 Greenwich St., New York City—H. G. Rising, Inc., 151 N. Vermont Ave., Los Angeles.

HOPE ELEC'L PRODUCTS CO., 57 Long Ave., Hillside, N. J.—R. C. English & Assoc., 1238 N.W. Glisan St., Portland 9, and 4229 122nd St. S. E., Bellevue, Wash.; L. D. Hood Sales Agency, 87 S. Kalamath St., Denver; Schow & Peterson, Inc., 926 South Atlantic Blvd., Los Angeles 22; Electrorep, Inc., 672 Townsend St., San Francisco. (See ad, p. 53)

HOPE WEBBING CO., Providence 1, R. I.—C. D. LaMoree, 2433 Birkdale, Los Angeles; 2221 4th, Berkeley; 317 N. W. Broadway, Portland; 166 Jackson St., Seattle.

HOPFIELD INDUSTRIAL MFG. CO.—See HIMCO.

HOSKINS MFG. CO., 4445 Lawton, Detroit, Mich.—E. A. Wilcox Co., 173 Utah Ave., So. San Francisco, and 6436 E. Corvette St., Los Angeles 22; E. A. Wilcox, Arctic Bldg., Seattle 4.

HOUGHTON & CO., E. F., 1500 Davidson St., San Francisco, Calif.—Branch Offices: 90 Dearborn St Seattle; 400 Concord Bldg., Portland, and 2445 F 26th St., Los Angeles 28.

HOUSE-O-LITE CORP., 5700 South Perry Ave., Chicago Ill.—Charles B. Gratiot Co., 1282 Folsom St., San Francisco; Sterling Equipment Co., 320 Second & Cherry Bldg., Seattle 4.

HOWARD INDUSTRIES, INC., 1760 State St., Racine, Wis.—Branch: 942 South LaBrea, Los Angeles; A. J. Nelson Co., 710 E. Louisiana, Denver; David Ross Co., 534 El Camino Real, San Carlos, Calif.

HOWELL ELECTRIC MOTORS CO., 409 N. Roosevelt Ave., Howell, Mich.—Control Switches, Inc., 6241 West 89th St., Los Angeles 45; W. G. Ballantyne, 1224 Southwest Morrison, Portland 5; Artwel, Inc., 1485 Bayshore Blvd., San Francisco 24; James D. Stephens Co., 49 North Second West, Salt Lake City; Lowell E. Beisner, 8545 West 64th Pl., Denver.

HOYT ELECTRICAL INSTRUMENT WORKS (Burton Rogers Co.), Sales Division, 42 Carlton St., Cambridge, Mass.—H. A. Shoemaker, 1576 Gower St., Hollywood, Calif; R. E. Ryberg, 2612 W. Armour Seattle; James H. Dolliver, 1750 Oneida St Denver 7.

HUB ELECTRIC CO., 2255 W. Grand Ave., Chicago, Ill.—James Mundstock, 417 Market St., San Francisco 5; Wm. A. McGuire, 164 So. Central Ave., Los Angeles; J. R. Fenning, 2323 Second Ave., Seattle 1; Glenn B. Baer, 1625 West 12th Ave., Denver 4; W. C. Osborn, P O Box 6734, Phoenix; R. L. Brewer, 708 N. Piedras, El Paso, Tex.

HUB ELECTRIC MFG. CO., 523 Medford, Charlestown, Mass.—Fete Bach Electric, 1233 N. W. 12th Ave., Portland; M-C International Co., 717 Market St., San Francisco; Herbert Leib, 1253-S N. Crescent Hts., Los Angeles.

HUBBARD AND COMPANY, 5401 W. Roosevelt Rd., Chicago 50, Ill.—West Coast Factory, Warehouse and Office: 1250 45th St., Emeryville 8, Calif.; R. M. Waggoner, Vice-President-West Coast; N. V. Arntzen, Dist. Sales Mgr., 416 West 8th St., Los Angeles 14; H. R. Edwards, Jr., Dist. Sales Mgr., 1250 45th St., Emeryville; A. C. Mowery, Dist. Sales Mgr., 271 S.W. Glenmorrie Rd., Lake Oswego, Ore.; L. T. Owen, Dist. Sales Mgr., 2759 Co. 20th East St., Salt Lake City 5. Distributors: General Electric Supply Co., Graybar Elec. Co. Inc., all principal cities; Mine & Smelter Co., Salt Lake City, Denver; Honolulu Elec'l Products Co. Ltd., Honolulu, Hawaii.

HARVEY HUBBELL, INC., State St. and Bostwick Ave., Bridgeport, Conn.—(Products sold through authorized electrical distributors.) Branch Offices: Wayne Brassey, 1675 Hudson Ave., San Francisco 24; Robert T. Flynn, 985 Via Honda, San Lorenzo; P. H. Klinow, 7529 Stearman Way, Citrus Heights); Rolan L. Settles, 254 Lassen Ave., Mt. View; G. Hollis Gentry, P. O. Box 2016, Terminal Annex, 121 W. Elmyra St., Los Angeles; James I. Jeffers, 6335 Lake Dora Ave., San Diego; James A. McGowan, 2343 Nella Vista, Los Angeles; Stuart E. Pentz, 5615 Valley Glen Way, Los Angeles; John L. Shewbert, 8915 Geyser Ave., Northridge; Paul A. Doudon, 1645 Wazee Street, Denver 2; Frank A. Strohecker, 218 Eyres Bldg., 2207 First Ave., South, Seattle; G. H. A. Gustafson, 202 Regal Bldg., 1220 S. W. Stark St., Portland; David A. King, 202 Regal Bldg., 1220 S. W. Stark Street, Portland; D. J. Morris, 218 Eyres Bldg., 2207 First Ave., South, Seattle; Frank M. Strohecker, 218 Eyres Bldg., 2207 First Ave., South, Seattle; C. V. Harris, 307 Hyde Bldg., Spokane.

HUBBELL CORP., Hawley Road, Mundelein, Ill. - C & S Equip. Co., 2419 South Grand Ave., Los Angeles; Phillips Refrigeration Products, 444 Potrero Ave., San Francisco; Industrial-Denver Co., 1655 Eleventh St., Denver 4.

HUENEFELD CO., 2701 Spring Grove Ave., Cincinnati 25, Ohio — Pacific Electric Sales, 140 S. E 28th, Portland.

HUGHES AIRCRAFT CO., Semi-Conductor Div., 500 Superior Ave., Newport Beach, Calif.; Earl S. Condon Co., 3450 Wilshire Blvd., Los Angeles 5.

HUGHES BROTHERS, INC., Seward, Neb.—Maydwell & Hartzell, Inc., 870 Tennessee St., San Francisco; 6400 Corvette St., Los Angeles; 2318 N. W. Vaughn, Portland; P. O. Box 415, Medford; 806 East 16th St., Tucson; 602 S. Arizona St., Butte, Mont.; 121 S. Monroe, Spokane; 1216 Poplar Place, South, Seattle 4; 120 South 29th St., Phoenix; Sales Engineers, 211 Wazee Market, Denver.

HUGHES-KEENAN, 1934 Smith St., Delaware, Ohio —Western Power Products, Inc., 2765 N. W. Nicolai, Portland 10.

HUGHEY & PHILLIPS, INC., 3200 N. San Fernando Blvd., Burbank, Calif.—Direct from factory.

HULLHORST TOOLS, INC., 1915 Nebraska Ave., Toledo, Ohio — Richardson Electric Co., 9820 23rd Ave. N. W., Seattle 7; J. R. Christensen, 247 E. 5th S St., Salt Lake City; Electrical Specialty Co., 2026 Arapahoe, Denver.

HUNTER DIVISION, ROBBINS & MYERS, INC., 2500 Frisco Ave., Memphis, Tenn.—George F. Sleight, Western Area Sales Mgr., 7755 Paramount Place, Pico Rivera, Calif.; W. O. Proby & Assoc., 1308 N.W. Everett, Portland 9 and 2915 13th Ave., S.W., Seattle 4; John Allen Ware and Assoc., 717 W. Buchanan St., Phoenix; Don Congdon, 8150 Sunset Dr., Lakewood, Colo.; Edward L. Peterson, 709 Bank of America Bldg., San Diego; Fred E. Reck, 126 25th Ave., San Mateo.

HUNTINGTON ALLOY PRODUCTS DIV. International Nickel Co. Inc., Huntington 17, West Va. (Mill Products)—District Offices: 401 N. Brand Blvd., Glendale 3, Calif. Warehouse Stocks: Pacific Metals Co. Ltd., 1930 3rd St., San Francisco; 2187 S. Garfield Ave., Los Angeles, 1533 India St., San Diego; Eagle Metals Co., 4755 1st Ave. S., Seattle, 2336 N. Randolph Ave., Portland, and Helena at Broadway, Spokane; Metal Goods Corp., 4343 Holly St., Denver.

HUPP CORP. (See Perfection Div.)

HUSKY PRODUCTS, INC., 5300 Vine St., Cincinnati 17, Ohio — Earl S. Condon Co., 3450 Wilshire Blvd., Los Angeles 5; George E. Honn Co., 560 3rd St., San Francisco 11; Shaffer & Nelson, Inc., 1001 Southeast Water Ave., Portland, 1415 South Main St., Salt Lake City 15, 1940 Occidental Ave., Seattle 4, and West 1835 Broadway, Spokane 10.

HYKON MFG. CO., 163 E. State St., Alliance, Ohio —Fred D. Benz Co., 520 4th St., San Francisco; J. G. Pomeroy Co., 1004 E. Fourth, Los Angeles.

HYNES ELECTRIC HEATING CO., 708 Colfax Ave., Kenilworth, N. J.—Contractors Equip. & Supply Co., 707 Broadway, N. E., Albuquerque; De Laval Pacific Co., 201 E. Millbrae Ave., Millbrae, Calif.; Western Const. Equip. Co., Great Falls and Billings, Mont.; John F. Stark, Montclair Station, Denver 20.

IDAHO POLE CO., Sandpoint, Ida.—Branch Office: Bozeman, Mont.

IDEAL ELECTRIC & MFG. CO., East First St., Mansfield, Ohio—Central Station Equip. Co., 2323 Aviation Highway, Tucson; W. E. Starr & Co., 926 S. Atlantic Blvd., Los Angeles; Artwel Electric, Inc., 1485 Bayshore Blvd., San Francisco; D. McGarry, 604 Utah Ave., Butte; Frank G. Perri, 935 Northwest 12th Ave., Portland 9; Nickerson Pump & Mach. Co., Inc., 158 W. 4th South, Salt Lake City; Carlson Sales, Inc., 1201 Dexter Ave., Seattle.

IDEAL INDUSTRIES, INC., 1042 Park Ave., Sycamore, Ill.—Products available from electrical distributors; L. M. Slusser, 318 Dooly Block, Salt Lake City, Utah; Northwestern Agencies Inc., 4130 First Ave. S., Seattle, and 2941 N. W. Quimby, Portland; Maddox Sales Co., 420 Market St., San Francisco; Maddox Sales Co., 914 E. 3rd St., Los Angeles, and 5709 No. 19th Place, Phoenix; E-O Sales Co., 610 South Lipan St., Denver.

IDEAS, INC., 214 Ivinson, Laramie, Wyo.—Arthur & Allen, 420 Market St., San Francisco; Don Hudson, 5052 Greybull Ave., Cheyenne, Wyo.; Graybar Electric Co., all branches.

ILG ELECTRIC VENTILATING CO., 2850 N. Pulaski Rd., Chicago 41, Ill.—Branch Offices: 1709 W. 8th St., Los Angeles; 55 New Montgomery, San Francisco; 7331 W. Greenlake Drive, Seattle; 914 W. Madison St., Phoenix; 1216 Santa Fe Dr., Denver 4; 1476 Major St., Salt Lake City; 1527 Southwest First Ave., Portland; P. O. Box 321, El Paso; Lefler Eng. Sales, 108 N. 23rd, Billings, Mont.; R. E. Tweedy, 356 E. Alvarado, Phoenix; P. O. Box 3582, ECB, Anchorage, Alaska; Honolulu Electrical Products Co. Ltd., 630 Piikoi St., Honolulu, Hawaii.

ILLINOIS CONDENSER, 1610 N. Throop St., Chicago 22, Ill.—Bernard L. Cahn Co., 420 Market St., San Francisco.

ILLINOIS EDISON PORCELAIN DIV., McGraw-Edison Co., Pearl St., Macomb, Ill.—(For special porcelain only). Contact plant direct or any Line Material Industries office.

ILSCO CORP., 4730 Madison Road, Cincinnati, Ohio —Maddox Sales Co., 914 E. 3rd St., Los Angeles 13; John Maddox Co., 420 Market St., San Francisco 11; John Ormond, 600 16th St., Oakland; Fred Staible, 2046 Arapahoe, Denver, Colo.; Pacific Elec. Sales, 140 S. E. 28th Ave., Portland. All principal cities.

IMPERIAL LIGHTING CO., Latrobe, Pa.—L. D. Wilson, P. O. Box 726, Glendora, Calif.; Kenneth B. Schumann Co., 1073 Galapago, Denver; P & G Associates, 11050 S. E. 30th, Seattle.

INDIANA COMMERCIAL FILTERS CORP. (See Commercial Filters Corp.)

INDIANA STEEL WIRE CO., INC., 2200 E. Jackson St., Muncie, Ind.—Graybar Electric Co., Inc., in all principal cities. (See ad, p. 41)

INDUSTRIAL DEVICES, INC., Edgewater N. J.—Burke Eng. Co., 1824 S. Burlington Ave., Los Angeles; Imperial Hardware Co., El Centro, Calif.

INDUSTRIAL ELECTRIC MFG. CO., 982 Washington Blvd., Mission San Jose, Calif.

INDUSTRIAL ELECTRICAL WORKS, 1509 Chicago St., Omaha, Neb.—Crane Veyor Corp., 1240 S. Boyle Ave., Los Angeles; Rundel Elec. Co., 230 Adrian Rd., Millbrae, Calif.; State Elec. Supply Co., Box 133, Albuquerque, N. M.—Star Machinery Co., 241 Lander St., Seattle.

INDUSTRIAL ENGINEERING & EQUIPMENT CO., 24 Hanley Industrial Ct., St. Louis 17, Mo.—Earl C. Call Assoc., 1290 Bayshore Blvd., Burlingame; CBA CO., 1480 Hoyt St., Denver; Nelson English, 1238 N. W. Glisan, Portland; R. C. English, 4229 122nd St., S. E., Bellevue, Wash.; Fuel Eng. Corp., 22030 Edgar St., Torrance, Calif.; G. J. Yamas Co., P. O. Box 5216, Sacramento, 821 Howard St., San Francisco, and 1621 East Belmont, Fresno, Calif.; Barrett, Haentjens & Co., 2301 E. Henshaw Rd., Phoenix.

INDUSTRIAL MICA CORP., 233 S. Van Brunt, Englewood, N. J.—Yarbrough Sales Co., 192 E. Glenarm St., Pasadena, Calif.

62nd Year of Leadership in Quality Illumination

HOLOPHANE Prismatic Control

Assures Effective, Economical Lighting for Commerce and Industry

Holophane quality products provide the answer for those who seek high lighting levels... visual comfort... economies in maintenance... Holophane's recognized leadership in commercial and industrial illumination is backed by long experience, concentrated knowledge and the constant development of new and better lighting equipment.

A: NO. 6000: DECOLITE* ... One-piece, 4-foot-long, ceiling-attached luminaire with TWIN-CONTROLENS*... PRISMALUME* (acrylic plastic)

B: NO. 6500: REALITE* ... PRISMALUME*, CONTROLENS*

C: NOS. 480-481 ... Wall-mounted Luminaire for wide-spread outdoor lighting; incandescent or mercury vapor lamps.

D: NO. 635 LOBAY* Reflector for 400 W.-mercury vapor lamps.

E: NO. 04343 POSTOP* ... One of series; fan-shaped light distribution; slip-fit for 3" pole.

F: NO. 440 WIDE-SPRED* Outdoor Refractor with cast-aluminum bracket (No. 0877).

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Lighting Authorities Since 1898

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THE HOLOPHANE CO., LTD., 418 KIPLING AVE. SO., TORONTO 18, ONT.

*®

For Better Lighting ... Be Sure to Specify HOLOPHANE

(See listing, Sales Offices, page 34)

INDUSTRIAL SAFETY BELT CORP., 568 S. Aiken, Pittsburgh, Pa.—Wayne C. Wells, 6055 N. E. Glisan, Portland; Armite Laboratories, 6609 Broad, Los Angeles; Wm. Peyser, Jr., 1506 N. Weber, Colorado Springs, Colo.

INDUSTRIAL TAPE CORP., New Brunswig, N. J.—(See Permacel Tape Corp.)

INDUSTRIAL TIMER CORP., 1407 McCarter Highway, Newark, N. J.—E. V. Roberts & Associates, 5068 W. Washington Blvd., Los Angeles; 1560 Laurel St., San Carlos; 909 N. First St., Phoenix, and 4379 30th St., San Diego; C. B. Parsons, 5319 4th Ave., So., Seattle; Hyde Electronics Co., 888 Lipan St., Denver 23.

INDUSTRIAL TUBULAR EQUIPMENT, 12906 Saticoy, North Hollywood, Calif.—See ITEECO

INERTIA SWITCH, INC., 311 West 43rd St., New York 36, N. Y.—Joe Davidson and Assoc., P. O. Box 108, South Gate, Calif.; T. Van Wagoner, 1415 So. Main St., Salt Lake City; L. E. Ruehle, 465 South Leydon St., Denver; C & H Supply Co., Administration Bldg., King County Airport, Boeing Field, Seattle 8.

INFRARED CORP. OF AMERICA, 240 Old Country Rd., Hicksville, Long Island, N. Y.—Ken Nicholas, 411 So. 121 St., Tacoma, Wash.; George Metcalf, 232 E. 20th Ave., Denver; Lyle Huntoon, 1485 Bayshore Blvd., San Francisco; Frank Bran Co., 607 E. 6th St., Los Angeles; Vic Paul Co. Inc., 510 N. W. Hoyt St., Portland.

INGERSOL RAND, Phillipsburg, N. J.—Branch: 350 Brannan St., San Francisco.

INLAND GLASS WORKS, 825 26th St., LaGrange Park, Ill.—Guy deLeuze Co., 1923 Bryant St., San Francisco.

INMANCO, INCORPORATED, 571 W. Washington Blvd., Chicago 6, Ill.—Electrical Specialty Co., 2820 E. 12th St., Los Angeles 13, Calif.; 255 Loomis St., San Francisco 3, Calif.; 2026 Arapahoe, Denver 2, Colo.; 1822 N. W. 25th Ave., Portland 9, Ore.; 2442 First Ave. S., Seattle; P. O. Box 232, Phoenix; Tri-State Supply Corp., 544 S. San Pedro, Los Angeles 13; 554 Bryant St., San Francisco 7; 325 Westlake Ave. No., Seattle 9; Western Fibrous Glass Products Co., 739 Bryant St., San Francisco, and 4432 Fruitland Ave., Los Angeles 23; Insulation & Wires, Inc., 6415 E. Fleet St., Los Angeles; 1112 N. W. 19th Ave., Portland 12, and 310 Shaw Rd., San Francisco; J. R. Christensen Agency, 247 E. 5th St., Salt Lake City; Electric Motor Supply, 1116 10th St., Denver 4; C. E. Riggs, 317 N. W. Broadway, Portland; Blackwood's, Inc., Div. H. I. Thompson Fiber Glass Co., 3609 Olympic Blvd., Los Angeles 23.

INSTRUMENT LABORATORY, INC., 934 Elliott Ave., W., Seattle 99, Wash.—Branch Office: 1316 S. E. 7th, Portland.

INSUL-8-CORP., 1369 Industrial Road, San Carlos, Calif.—Industrial Products Co., 2911 First Ave. So., Seattle 4; J. A. Tudor & Associates, Inc., 1004 S. E. Belmont St., Portland 14; Fletcher Sales, 2216 Fifth St., Berkeley 10; C. H. Curriet Co., 2368 East Foothill Blvd., Pasadena, Calif.

INSULATED DUCT & CABLE CO., Stokes Ave., Trenton, N. J.—Hodges & Glomb, 921 Bryant St., San Francisco; Albert S. Knight Co., 3010 Western Ave., Seattle.

INSULATION & WIRES, INC., 1510 Wall St., Fort Wayne, Ind.—Branch Offices: 1075 N. Patt St., Anaheim, Calif., 274 Harbor Way, South San Francisco, 2719 E. 5th St., Portland.

INTEGRATED CEILINGS & GRILLEWORKS, INC., 11766 West Pico Blvd., Los Angeles 64, Calif.—Bruce-Emmett Co., 830 S. E. Alder St., Portland 14; David M. Merrill, 192 No. First East, Farmington, Utah; Central Electric Supply, 500 Quivas St., Denver 1; John Thompson, 3940 West Solar Dr., Phoenix; Bruce-Emmerr Co., 1016 First Ave. So., Seattle 4; Hawaiian Lighting & Supply Co., 1362 Kapiolani Blvd., Honolulu, Hawaii.

INTERLECTRIC DIV., El-Tronics, Inc., 1401 Lexington Ave., Warren, Penna.—Walter Dorr, Jr., 3059 West 7th St., Los Angeles 5; Hayjax Co., 436 Colyton St., Los Angeles; Keeler-White Co., 523 N. W. Everett, Portland; Laco Photo Import Co., 4018 W. Olympic Blvd., Los Angeles 19; George Langevin, 430 27th Ave., San Mateo, Calif.; Moreau & Jack, Inc., 140 N. E. Broadway, Portland 12; Nelson Co., 710 E. Louisiana Ave., Denver 10; CP Sinclair Co., 1807 E. Olympic Blvd., Los Angeles 21; Smith & Thomas Co., 10 W. Connecticut, Seattle 4; Tal Agencies, Inc., 1043 Sixth Ave. So., Seattle 4.

INTERMATIC TIME SWITCH DIV. of International Register Co., 2620 W. Washington Blvd., Chicago, Ill.—Keeler White Co., 615 7th St., San Francisco; Tal Agencies, Inc., 1043 6th Ave. So., Seattle; The McLoughlin Co., 811 E. 14th Place, Los Angeles; Shefler & Kahn, 240 So. 1st Ave., Phoenix; E. T. Vonier Co., 1160 Elati, Denver; J. R. Christenson Agency, 247 1. 5th St., Salt Lake City.

INTERNATIONAL FERMONT MACHINERY CO., Ramapo, N. Y.—Ray L. Martin & Son, 725 N. E. 25th Ave., Portland 7.

INTERNATIONAL GRAPHITE & ELECTRODE DIV., Speer Carbon Co., St. Mary's, Pa.—E. A. Wilcox Co., 173 Utah Ave., South San Francisco; 6436 E. Corvette St., Los Angeles 22; 915 Arctic Bldg., Seattle 4.

INTERNATIONAL METAL PRODUCTS CO., 500 S. 15th St., Phoenix, Ariz.—Don Smith, P. O. Box 1712, Phoenix; Ray Morey, 2452 Micheltorena, Los Angeles 39; A. Meng, 930 17th St., Denver; A. G. Dalla Poza, 6112 Rainier Ave., Seattle 18; Philip Cantrell, 798 S. Jasmine, Denver; K. Leathers, 9001 Creekford Rd., Lakeside, Calif.; Al Cornwall, 2012 W. Claremont, Phoenix; Bud Schuman, 3229 E. Claredon, Phoenix; Ralph Pierce, 4405 N. 18th St., Phoenix.

INTERNATIONAL METAL PRODUCTS DIV., McGraw-Edison Co., 500 South 15th St., Phoenix, Ariz.—Sold through leading distributors and dealers.

INTERNATIONAL NICKEL CO., INC., 67 Wall St., New York City 5—Pacific Metals Co., Ltd., 1900 3rd St., San Francisco, 2187 S. Garfield Ave., Los Angeles, 1533 India St., San Diego; Eagle Metals Co., 4755 1st Ave. S., Seattle, 2336 N. Randolph Ave., Portland, and Helena at Broadway, Spokane; Metal Goods Corp., 4343 Holly St., Denver.

INTERNATIONAL OIL BURNER, ELECTRIC DIV., 3804 Park Ave., St. Louis, Mo.—Wayne C. Wells Co., 6055 N.E. Glisan, Portland 13.

INTERNATIONAL RECTIFIER CORP., 233 Kansas St., El Segundo, Calif.—Representatives: Eichorn & Melchoir, 932 Terminal Way, San Carlos, Calif.; Ed. Foley & Assoc., 3840 N. Jokake Dr., Scottsdale, Ariz.; Bowen & Carlberg, 2628 San Mateo Blvd., N. E., Albuquerque; R. G. Bowen, Inc., 721 S. Broadway, Denver, and 463 E. Third St., Salt Lake City.

INTERNATIONAL REGISTER COMPANY, 2620 W. Washington Blvd., Chicago 12, Ill.—(See Intermatic Time Switch Div.)

INTERNATIONAL TRANSFORMER CORP., 8208 E. Whittier Blvd., Montebello, Calif.—The Curry Co., 190 Lombard St., San Francisco; J. H. Stumph, 1000 4th Ave., South, Seattle 4; H. D. Kron, 836 Ocean View Dr., Honolulu 16, Hawaii.

INTERSTATE DROP FORGE CO., Special Products Div., 4051 N. 27th St., Milwaukee, Wis.—K. M. Ryals Co., 9 First St., San Francisco; H. M. Denny Co., 3410 16th Ave. West, Seattle 99; A. T. Toms, P. O. Box 315, Salt Lake City; H. C. Guire, 715 S. York, Denver 9; T. D. McGarry, 604 Utah Ave., Butte, Mont.; L. R. Phillips, 5603 N. Figueroa St., Los Angeles.

INWOOD ELEC. MFG. CORP., Inwood, L. I., New York—Allied Electrical Agencies, 1431 Minor Ave., Seattle 1.

IRVINGTON VARNISH & INSULATOR DIV., Minnesota Mining & Mfg. Co., 900 Bush Ave., St. Paul 6, Minn.—Minnesota Mining & Mfg. Co., 320 Shaw Rd., So. San Francisco, 6023 S. Garfield Ave., Los Angeles, 3663 First Ave., Seattle; J. R. Christensen Agency, 247 East 5th South, Salt Lake City.

IRWIN AUGER BIT CO., Wilmington, Ohio—H. M. Pforsich Co., 1355 Market St., San Francisco, 2343 Saybrook Ave., Los Angeles 22, and 400 Boren Ave. No., Seattle; Lawrence B. Stuart, Ltd., 1216 Kapiolani Blvd., Honolulu.

ISOLANTITE MFG. CORP., Warren Ave., Stirling, N. J.—Maydwell & Hartzell, Inc., in following cities: 870 Tennessee St., San Francisco 7; 6400 Corvette St., Los Angeles; 206 W. Island Ave., San Diego; 120 S. 29th St., Phoenix; P. O. Box 415, Medford; 2318 N. W. Vaughn St., Portland; 1216 Poplar Place, S., Seattle; 121 S. Monroe St., Spokane; 806 E. 16th St., Tucson; 602 S. Arizona St., Butte.

I-T-E CIRCUIT BREAKER CO., 1900 Hamilton St., Philadelphia 30, Pa.—District Offices: Western Reg. Mgr., Robert G. Petersen, San Francisco 5; 230 Ryan Way, So. San Francisco; 655 Broadway Bldg., Denver, 1921 East 7th St., Los Angeles 22, 2727 N. Central, Phoenix; 1010 S. W. 14th St., Portland, and 910 5th Ave., Suite 300, Seattle; Riter Engineering Co., 1369 Major St., Salt Lake City 1, Utah; R. L. Brewer Co., Inc., 100 S. El Paso St., El Paso; R. E. McDonough Co., 829 Maryland Ave., Butte, Mont.

I-T-E CIRCUIT BREAKER CO., BullDog Electric Products Division, 7610 Jos. Campau Ave., Detroit, Mich.—Representatives: BullDog Electric Co., 3020 Supply Ave., Los Angeles 22; Safety Switchboard & Mfg. Co., 910 89th Avenue, Oakland 21, and 470 North 16th St., Sacramento, Calif.; Coast Electric & Mfg. Co., 1733 N. E. 7th Ave., Portland, and 131 West 76th St., Seattle 7; Young Electric & Mfg. Co., 2134 Curtis St., Denver 2.

I-T-E CIRCUIT BREAKER CO., WALKER DIV., 125 Bennett St., N. W., Atlanta, Ga.—Coast Elec. & Mgr. Co., 1733 N. E. 7th Ave., Portland 12; Safety Switchboard Co., 910 89th Ave., Oakland 21; Bull-Dog Elec. Prod. of L. A., 3020 Supply Ave., Los Angeles 22; Young Electric & Mfg. Co., 2134 Curtis St., Denver 2.

I-T-E POWER CIRCUIT BREAKER DIV., 1921 E. 7th St., Los Angeles 21, Calif.—Same branch offices as I-T-E Circuit Breaker Co. Reps.: R. E. McDonough Co., 829 Maryland Ave., Butte, Mont.; Cline Equipment Co., 233 Southwest Temple St., Salt Lake City.

ITEECO, Div. of Idaho Maryland Industries Inc., 12906 Saticoy St., North Hollywood, Calif.—Branch Office: ITEECO Colorado Corp., 3330 E. 54th Ave., Denver. Distributors: Balco Sales Inc., 44 Cleveland, San Francisco; Omark West Coast, 1825 El Cajon, San Diego; Osborne Elec. Co., 835 West Bonanza Road, Las Vegas, Nev.; West Pacific Sales, 325 Second Ave. West, Seattle 99; Utilities Supply Co., 419 S. 7th St., Phoenix. (See ad, p. 36)

Manufacturer of adjustable metal framing—channel and fittings

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ITT COMPONENTS DIVISION, 100 Kingsland Rd., Clifton, N. J.—Branch: 225 Santa Monica Blvd., Santa Monica, Calif.

ITT KELLOGG, 6650 So. Cicero Ave., Chicago, Ill.—Branch Offices: 23 Broderick Rd., Burlingame, Calif.; 822 Halekauwila St., Honolulu, Hawaii; S. A. Carlfeldt, 9100 Fortuna Dr., Mercer Island, Wash.; J. M. Couto, 1542 Bonnie Joy Ave., San Jose, Calif.; J. T. Cowan, 258 Evergreen Rd., Lake Oswego, Ore.; R. W. Hall, 7939 Belton Dr., Los Angeles.

JACK (BILL) SCIENTIFIC INST. DRILL DIV., 143 S. Cedros St., Solana Beach, Calif.—Nourse Equip. Co., 2300 Fourth St., Berkeley, Calif.; Barbee Tool Supply, 2103 Moore St., San Diego; Foremost Diamond Drilling Supply Co., 2865 W. 7th, Los Angeles; Cascade Distributors, 1118 1st Ave. South, Seattle, and North 2228 Division, Spokane; McCaffrey-Way Materials & Supply Co., 2107 Menaul Blvd., N. E., Albuquerque; Cebis of Colorado, 4 S. Santa Fe Dr., Denver.

JACKSON ELECTRICAL CO., 900-910 W. Van Buren St., Chicago 7, Ill.; Pete Bach Electric, 1233 N. W. 12th Ave., Portland 9.

JACO PRODUCTS, 2150 St. Clair Ave., Cleveland, Ohio—Harry E. Marshall, 104 Olive St., San Francisco 9.

JANCO CORP., 3111 Winona Ave., Burbank, Calif.—Norwest Co., 210 N. 36th St., Seattle; Paul Hildebrand, 6132 Tarragona Dr., San Diego; Carl Hower & Co., 340 N. Marshall Ave., Scottsdale, Ariz.; Arthur L. Bolton Co., 1060 Evelyn St., Menlo Park, Calif.

JANETTE MANUFACTURING CO., Lehigh at Main, Morton Grove, Ill.—Branch: 36 Second St., San Francisco; Electric Motor Eng. Co., 8255 Beverly Blvd., Los Angeles; Norman Rupp Co., 103 S. W. Front Ave., Portland; Felix Simon, Box 614, Denver; J. W. Reynolds Co., 1481 S. Main, Salt Lake City.

JASCO ALUMINUM CONDUIT CORP., Suchman Associates, Inc., 837 E. 4th Place, Los Angeles 13.

JAY LIGHTING MFG. CO., INC., 25 Quincy St., Brooklyn, N. Y.—John Brill, 1216 Justin Ave., Glendale, Calif.; Pete Bach, 1233 N. W. 12th Ave., Portland; Lyle Heaton, 602 123rd N. E., Bellevue, Wash.; John Roth, 300 S. Forrest, Denver 23.

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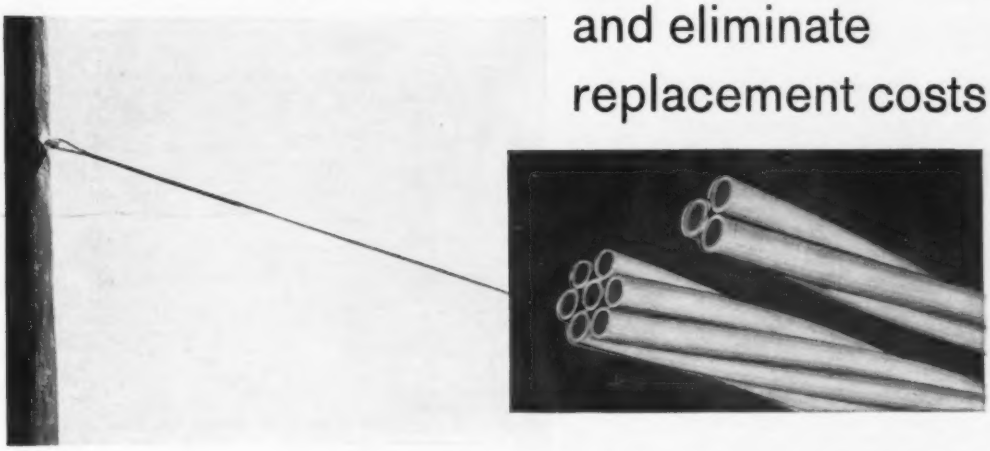
and eliminate replacement costs



There's no built-in replacement cost to be paid later when you buy Alumoweld Guy Strand. Alumoweld matches the long life of modern poles, as a guy strand should. It stays up and retains its strength, unimpaired by years of exposure to the elements, because an *extra-thick* aluminum covering (25% by area) protects the steel core from rusting.

Size for size, Alumoweld Guy Strand has the same tensile strength as extra-high-strength steel . . . weighs less . . . is easier to install . . . and will last far longer.

Why pay for two guys during the life of one pole when one Alumoweld Guy will do the job and save you money and trouble? For your convenience, stocks of Alumoweld Strand are available for immediate shipment from our warehouses in New York, Chicago, Pittsburgh and Memphis.

COPPERWELD STEEL COMPANY WIRE AND CABLE DIVISION, GLASSPORT, PA.

For Export: COPPERWELD STEEL INTERNATIONAL COMPANY, New York

Canadian Distributor: NORTHERN ELECTRIC COMPANY LIMITED

ALUMOWELD® **GUY STRAND**

(See listing, Sales Offices, p. 20)

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ANACONDA WIRE & CABLE CO.—Potheads, and Cable Accessories
BURNDY CORPORATION—Connectors & Installation Tooling
HUSKY PRODUCTS DIVN., BURNDY CORP.—Cable Supporting Systems
JAMES R. KEARNEY CORP.—Industrial Switching Equipment
KELLEMS COMPANY—Cable Grips
MATTERN CORP.—Dry Type Transformers
MINERALLAC ELECTRIC CO.—Hangers, Straps, Compounds, Statiscopes
PENNSYLVANIA TRANSFORMER DIV. McGRAW EDISON CO.—Power and Distribution Transformers, Voltage Regulators, Switchgear
RALCO MFG. COMPANY—Industrial Plugs & Receptacles
SPRAGUE ELECTRIC COMPANY—Industrial Capacitors
THE STATES COMPANY—Test Blocks, Meter Testing Equipment

JEFFERSON ELECTRIC CO., 25th and Madison, Bellwood, Ill.—**J. G. Pomeroy Co., 1004 E. 4th St.**, Los Angeles; F. C. Scharr, 2103 Western Ave., Seattle 1; Hodges & Glomb, Inc., 921 Bryant St., San Francisco; E. T. Vonier Co., 201 Wyandot, Denver; L. O. Dugan, 5257 Bluebell, North Hollywood, Calif.; Darger Co., 211 So. 2nd West, Salt Lake City.

JEFFERSON SCREW CORP., 689-691 Broadway, New York City 12—James Mundstock, 417 Market St., San Francisco.

JEFFRIES TRANSFORMER DIV. OF ZINSCO ELECTRICAL PRODUCTS—See Zinsco.

JELLIFF MFG. CO., THE C. O., Southport, Conn.—Elecrtical Specialty Co. in following cities: 158 Eleventh St., San Francisco 3, 2820 E. 12th St., Los Angeles 23; 1822 N. W. 25th Ave., Portland 9, and 2442 First Ave. So., Seattle 4.

JENN AIR PRODUCTS CO., INC., 1102 Stadium Dr., **Indianapolis, Ind.—E. C. Cooley Co., 1186 Folsom St.**, San Francisco; Herlin Eng. Co., 1601 Bassett Ave., El Paso; A. A. Maycock Co., 330 W. 7th S., Salt Lake City; Air Purification Co., 4775 Fox St., Denver; Wm. S. Turner Co., Pacific Bldg., Portland; Paul E. Bradfield Co., 864 Robertson Blvd., Los Angeles; John L. Harvey Co., 121 S. Monroe St., Spokane; Merrill N. Musgrave & Co., 2019 Third Ave., Seattle; Hennesy Equip. Sales Co., 4808 N. 7th Ave., Phoenix.

JENNINGS RADIO MFG. CORP., 970 McLaughlin, San Jose, Calif.

JENSEN MFG. CO., 6601 S. Laramie Ave., Chicago, Ill.—R. G. Bowen, 721 S. Broadway, Denver; George S. Tivy, 2230 W. 11th St., Los Angeles 6; Shefler-Kahn Co., 2017 N. 7th St., Phoenix; Sinai-Johnson, Inc., 845 Jessie St., San Francisco; Samuel N. Stroum Co., 621 S. Michigan St., Seattle 8.

JERROLD ELECTRONICS CORP., 15th and Lehigh, Philadelphia, Pa.—Don H. Burcham, 510 N. W. 19th Ave., Portland, and 422 First Ave., West, Seattle 99; David Ross Co., 534 El Camino Real, San Carlos, Calif., 12106 E. Firestone Blvd., Norwalk, Calif.; Jack Berman Co., 1141 S La Cienega Blvd., Los Angeles and 8146 N. First, Phoenix; R. S. Stevenson Co., 2045 Walker Lane, Salt Lake City 17; Hastin Sales Corp., 235 Cooke St., Honolulu, Hawaii.

JET LINE PRODUCTS, INC., 615 Fugate Ave., Charlotte, N. C.—Lippincott Co., 1355 Market St., San Francisco, 2525 Beverly Blvd., Los Angeles, and 911 Western Ave., Seattle.

JOHNS-MANVILLE, 22 E. 40th St., New York City 16—Johns-Manville Sales Corp.: 116 New Montgomery St., San Francisco 5; 430 40th St., Oakland 9, Calif.; 1755 Glenarm Pl., Denver 2; 507 Dooly Bldg., Salt Lake City; 611 S. Catalina St., Los Angeles 5; 4303 Stone Way, Seattle 3.

JOHNS-MANVILLE DUTCH BRAND DIVISION, 7800 Woodlawn Ave., Chicago, Ill.—Branch Offices: 611 S. Catalina, Los Angeles, and 116 New Montgomery St., San Francisco; M. H. Klinger Co., 2366 Eastlake Ave., Seattle.

JOHNSON BRONZE CO., 475 Mill St. So., New Castle, Pa.—Sales Offices: 3101 Adeline St., Oakland 8, Calif.; 1818 South Grand Ave., Los Angeles 15; 1525 Tenth Ave., Seattle 22.

JOHNSON TOOL CO., 207 Robie Drive, Auburn, Calif.—Western Welding Works, 5946 Don Way, Carmichael, Calif.; Miners Foundry, Spring St., Nevada City, Nev.; Timothy Kaarto, 1753 Virginia St., Berkeley 3, Calif.

JONES, HOWARD B., Div. Cinch Mfg. Corp., 1026 S. Homan Ave., Chicago, Ill.—**Branch Offices: 1709 W. 8th St., Los Angeles.**

JORDAN INDUSTRIES INC., 3030 N. W. 75th St., Miami 47, Fla.—Rutkin Electrical Sales, 744 Kohler St., Los Angeles; James H. Blinn Co., 841 Delaware St., Denver; Jessen & Gundry, Inc., 1633 N.W. 21st Ave., Portland.

JOSLYN MFG. & SUPPLY CO., 155 N. Wacker Drive, Chicago, Ill.—Branch Offices: Joslyn Pacific Co., 5100 District Blvd., Los Angeles; 180 Potrero Ave., San Francisco; 2424 First Ave. So., Seattle; 808 N. W. 16th St., Portland; 560 Gale St., Salt Lake City; 2035 W. McDowell Rd., Phoenix. Sold through Electrical Distributors all principal cities.

JOY MFG. CO., Electrical Products Div., 1201 Macklind Ave., St. Louis 10, Mo.—Branch: O. R. Dietrich, 19501 South Santa Fe, Compton, Calif.; Sterling Equip. Co., Second & Cherry Bldg., Seattle; W. R. Swiler, 998 South 6th West, Salt Lake City; Schloss & Shubart, 1626 Wazee St., Denver.

K-E SALES CORPORATION, P. O. Box 2228 Gardner St. Sta., St. Louis, Mo.—**Steve Babcock, 3573 Pierce St., San Francisco 23; R. C. English & Associates, 4229 122nd Ave., S. E., Bellevue, Wash.**

KPF ELECTRIC CO., 1624 East Alpine Ave., Stockton 5, Calif. (See ads, pp. 8, 9)

KAAR ENGINEERING CORP., 2995 Middlefield Rd., Palo Alto, Calif.—Arthur & Allen, 420 Market St., San Francisco.

KAHN AND CO. INC., 885 Wells Rd., Wethersfield, Conn.—Imco Equip. Co., 5323 College Ave., Oakland 9; LZP Electronics, Inc., 601 S. Jason St., Denver 23; Sherman Nabaum & Co., 4777 S. 13th East St., Salt Lake City; Stepco, 221 E. Camelback Rd., Phoenix.

KAISER ALUMINUM & CHEMICAL SALES, INC., Electrical Conductor Div., General Sales Office Kaiser Center, Oakland, California—Western Branch Offices at 1220 S. W. Morrison St., Portland; W 601 Riverside, Spokane; Statler Center, 900 Wilshire Blvd., Los Angeles; 655 Broadway, Denver; 213 N. First Ave., Phoenix; 438 Olive St., San Diego; 360 22nd St., Oakland 12; 910 5th Ave. Seattle 4; Maydwell & Hartzell, Inc., in following cities: 870 Tennessee St., San Francisco 7; 6400 Corvette St., Los Angeles; 206 W. Island Ave., San Diego; 120 S. 29th St., Phoenix; P. O. Box 415, Medford; 2318 N. W. Vaughn St., Portland; 1216 Poplar Place, S., Seattle; 121 S. Monroe St., Spokane; 806 E. 16th St., Tucson; 602 S. Arizona St., Butte.

KAMPHAUSEN CO., DAN, Continental Oil Bldg., Denver, Colo.—Paul Ousley, 10710 S. W. Elysian Ave. Portland; George Barrett, 4741 7th Ave. Sacramento; Frank Stogdill, 743 Lake Elmo Road Billings, Mont.

KANTHAL CORP., Amelia Place, Stamford, Conn.—Montgomery Brothers, Inc., 1122 Howard St., San Francisco; 1632 N.W. Johnson St., Portland, and 911 Western Ave., Seattle; Jackson Edwards Co., 4101 Lankeshim Blvd., Los Angeles, 3840 N. Jakake Dr., Scottsdale, Ariz.

KASON HARDWARE CORP., 131 Wallabout St., Brooklyn 6, N. Y.—M. Levin, 205 N. W. 10th, Portland 9.

KATOLIGHT CORP., 1st Ave. and Chestnut St., Mankato, Minn.—Central Station Equip. Co., 2323 Aviation Hwy., Tucson, Ariz.; E. E. Pennington, 4160 Fox St., Denver 16; Star Machinery Co., 241 South Lander St., Seattle 4.

KAYLINE CO., 1241 E. 45th, Cleveland, Ohio—Jack Finkelstein, 546 W. Encanto Blvd., Phoenix; Ray Alexander, 940 Stout St., Blackfoot, Ida.; W B. Roth, P. O. Box 9167, Denver 20.

KEARNEY CORP., JAMES R., 4236 Clayton Ave., St. Louis, Mo.—Branch Offices; 1240 45th St., Emeryville 8, Calif.; 430 Foothill Blvd., La Canada, Calif.; 5230 S.W. Westwood Lane, Portland, Ore. W. E. Starr & Co., 926 South Atlantic Blvd., Los Angeles 22. Distributors: Maydwell & Hartzell, Inc., 870 Tennessee St., San Francisco 7; 6400 Corvette St., Los Angeles; 206 W. Island Ave., San Diego; 120 S. 29th St., Phoenix; P. O. Box 415, Medford; 2318 N. W. Vaughn St., Portland; 1216 Poplar Place, S., Seattle; 121 S. Monroe St., Spokane; 806 E. 16th St., Tucson; 602 S. Arizona St., Butte.

KEARNEY CORP., JAMES R., Melrose Park Division, Melrose Park, Ill.—Same sales offices as James R. Kearney Corp.

KELLEMS CO., 15 Williams St., Stonington, Conn. **R. E. Cunningham & Son, 530 West 6th St., Los Angeles; George E. Honn Co., 560 Third St., San Francisco; Sales Engineers Co., 211-212 Wazee Market, Denver.**

KELLOGG SWITCHBOARD & SUPPLY CO., 6650 S. Cicero Ave., Chicago, Ill.—Branch Offices: 23 Broderick Road, Burlingham, Calif.; 102 Carlson Bldg., Bellevue, Wash.; 8703 Ta Tijero Blvd., Los Angeles.

KELNOR MANUFACTURING CORP., 1355 Market St. San Francisco 3, Calif.—Clay Estes Co., 1355 Market St., San Francisco.

KENDALL CO.—(See Polyken Sales Div.)

KENNECOTT WIRE & CABLE CO., Bourne Ave., Phillipsdale, R. I.—Chase Brass & Copper Co., 6500 E. Washington Blvd., Los Angeles, 230 Shaw Road South San Francisco 7, and 1957 First Ave., South Seattle 4.

KEN-RAD LAMP DIV., WESTINGHOUSE ELEC CORP., Owensboro, Ky.—Ray H. Elliott, 336 So Anderson, Los Angeles 33; D. A. Steinkamp, 16 Wazee Market, Denver 6; James J. Backer, 221 West Galer St., Seattle 99; T. R. Van Wagoner, 1415 So. Main St., Salt Lake City. Stocking Distributors: Phillips & Edwards Elec. Corp., San Francisco, Santa Rosa, Oakland, Stockton, Redwood City; Incandescent Supply Co., San Jose, Los Angeles, Redding, Fresno, Sacramento, Pasadena.

KENT LIGHTING CORP., 500 Johnson Ave., Brooklyn 37, N. Y.—Ted Widing, Pacific Mfg. Agency, 5705 N.E. 17th St., Portland, Ore.

KERITE COMPANY, 30 Church St., New York City—Branch Offices: The Kerite Co., Robert A. Young Pac. Coast Mgr., 3901 San Fernando Road, Glendale 4, Calif., and 681 Market St., San Francisco, Carlson Sales, Inc., 1201 Dexter Ave. No., Seattle 9, 935 N. W. 12th Ave., Portland, and 604 Utah Ave., Butte, Mont.

KERRIGAN IRON WORKS CO., 1033 Herman St., Nashville, Tenn.—Arthur & Allen, 420 Market St., San Francisco; Sheeter & Co., 2508 W. Sixth St., Los Angeles; R. T. Lewis Co., 1301 Pierce St., Lakewood, Colo.; Ralph Black, 721 Loma Vista Dr., N.E., Albuquerque; T. R. Van Wagoner Co., 1415 S. Main St., Salt Lake City; Oscar Hogenson Co., 95 Connecticut St., Seattle 4.

KESTER SOLDER CO., 4201 Wrightwood Ave., Chicago 39, Ill.—Laurence Shriver Co., 714 Olympic Blvd., Los Angeles; L. M. Skelton, 401 S. Burnside Ave., Los Angeles 36, and No. 1 Skyline Drive Daly City, Calif.; Distributor: Sloss & Brittain, 100 Potrero, San Francisco.

KETT TOOL COMPANY, 5055 Madison Road, Cincinnati 27, Ohio—**James E. Allen, Box 86, Pacific Palisades, Calif.**

KEYSTONE MFG. CO., 23328 Sherwood, Warren, Mich.—Hollis R. Johnson, 5528 Timberwolf, El Paso; Fred D. Benz Co., 520 4th St., San Francisco; A. J. Nelson Co., 710 E. Louisiana St., Denver; John Allen Ware & Assoc., 1400 N. 32nd St., Phoenix; Calhoun & Poxon, 5429 Alhambra Ave., Los Angeles; Tal Agencies, Inc., 1043 6th Ave. S., Seattle 4; Keller-White, Portland, 523 N.W. Everett, Portland 9.

KEYSTONE ELECTRIC MFG. CO., 2228 E. Tioga, Philadelphia, Pa.—Guy deLeuze, 1923 Bryant St., San Francisco; Gordon Laursen, 1116 Dartmouth Dr., N.E., Albuquerque; George Stallman, 4109 51st St., S.W., Seattle; George Metcalf, 232 E. 20th St., Denver 5; Mfg. Sales, 3820 E. 40th St., Tucson.

KEYSTONE STEEL & WIRE CO., Peoria, Ill.—Edward J. Duggan Co., 3025 24th Ave., San Francisco 27.

KIDDE & CO., INC., WALTER, 675 Main St., Belleville 9, N. J.—District Office: 4845 W. Exposition Blvd., Los Angeles 16. Sold through leading distributors in all principal cities.

KILLARK ELECTRIC MFG. CO., 3940 Easton Ave., St. Louis 13, Mo.—Northwestern Agencies, Inc., 4130 First Ave. So., Seattle 4, and 2941 N.W. Quimby, Portland 10; F. M. Nicholas Co., 72 Townsend St., San Francisco 7; Kenneth Anderson Co., 123 So. Myers St., Los Angeles 33, and 422 So. 7th, Phoenix; Kenneth C. Schumann, 1073 Galapago, Denver 4. (See ad, p. 39)

KILBURY MFG. INC., 14529 Hawthorne Blvd., Lawndale, Calif.; Jack Janofsky, PO Box 48415 Briggs Sta., Los Angeles 48; Rodoni Supply, 1228 West San Carlos St., San Jose, Calif.

KIM MFG. CO., 1467 No. Lidcombe Ave., El Monte, Calif.—Humber & Walker Co., 314 12th St., San Francisco; J. R. Penning, 2323 2nd Ave., Seattle; Gregg Cloos, 977 Jackson, Denver; Wm. A. Benndorf Co., 221 E. Camelback Rd., Phoenix; Cooper Lighting Sales, P. O. Box 3007, Billings, Mont.; David M. Merrill, 194 No. First St., Farmington, Utah.

KIMBLE GLASS CO., Sub. of Owens-Illinois, Toledo Ohio—Maydwell and Hartzell, Inc., 427 West 5th St., Los Angeles 13. 870 Tennessee St., San Francisco 7, 5823 Henley Dr., San Diego, 803 W. Jackson, Medford, 120 South 29th St., Phoenix, 110 East 6th St., Tucson, 2318 N. W. Vaughn, Portland 10, 306 Dexter Ave., Seattle; Joslyn Pacific Company, 5100 District Blvd., Los Angeles, 180 Potrero Ave., San Francisco, 808 N. W. 16th Ave., Portland, 2424 First Ave., So., Seattle 4, and 1427 East 3045 South St., Salt Lake City 6; Line Material Co., 6490 E. Fleet St., Los Angeles 22, 360 Shaw Road, South San Francisco, 1333 N. W. 12th Ave., Portland, 1220 W. Nickerson St., Seattle 99, East 3303 Ferry St., Spokane, and 980 South 6th West St., Salt Lake City.

KINDORF, Div., Steel City Electric, 1207 Columbus Ave., Pittsburgh 33, Pa.—Hodges & Glomb, 921 Bryant St., San Francisco; Murphy-Hain, 331 So. Mission Road, Los Angeles; Northwestern Agencies, 4130 First Ave. South, Seattle; Fred E. Staible & Sons, 2046 Arapahoe St., Denver.

KING ELECTRICAL MFG. CO., 9210 14th Ave., So., Seattle 8, Wash.—Keeler White-Portland, 523 N.W. Everett, Portland; Tal Agencies, Inc., 1043 6th Ave. So., Seattle.

KINGSTON CONLEY ELECTRIC, 902 North Ave., Plainfield, N. J.—Artwel Electric Inc., 1485 Bayshore Blvd., San Francisco 24.

KINNEY ELECTRICAL MFG. CO., 678 Buckeye, Elgin, Ill.—Colorado Western Sales, P. O. Box 4133, S. Denver Sta., Denver; McGillan Sales Co., 1100 Hermosa Dr. S. E., Albuquerque; Campbell & George, 1601 Cortland Ave., San Francisco.

KIRKLAND CO., THE H. R., 8-10 King St., Morristown, N. J.—Fred D. Benz Co., 520 4th St., San Francisco; P. E. Golsan, Jr., 301 Pasadena Ave., So. San Francisco, Calif.

KIRKWOOD COMMUTATOR CO., 4855 W. 130th St., Cleveland, Ohio—Insulation & Wires, Inc., in following cities: 6415 E. Fleet St., Los Angeles; 450 Alabama St., San Francisco, and 1112 N. W. 19th Ave., Portland.

KIRLIN CO., 3435 E. Jefferson, Detroit 7, Mich.—Bruce Emmett Co., 830 S. E. Alder St., Portland 14; Benndorf, 221 E. Camelback Rd., Phoenix; Jim Shirreffs Co., 3601 S. Broadway Place, Los Angeles; Stanley Sales Corp., 636 Potrero Ave., San Francisco; Douglas E. Bolton & Associates, 2795 East 3220 South, Salt Lake City; Strong & Humphrey, 110 Yuma St., Denver 23.

KISCO COMPANY, INC., St. Louis 4, Mo.—Smallcomb Electric Co., 1120 S. Main St., Los Angeles 15.

KLEIN & SONS, MATHIAS, 7200 McCormick Rd., Chicago, Ill.—C. L. Woolsey, 1320 Opachee Way, Glendale, Calif.; D. E. Swanson, 36 Orchard Ave., Apt. 7, Redwood City, Calif.

KNIGHT MFG. CO., Gresham, Ore.—Ross M. Vieths Co. Inc., 3632 41st Ave. West, Seattle 99; Allied Masonry Anchors, Inc., 131 Rosecrans Ave., Compton, Calif.; W. B. Imholt Co., 275 Brannan St., San Francisco 7.

KNOPP, INC., 1307 66th St., Oakland 8, Calif.—C. C. Blacksmith, P. O. Box 54, Covina, Calif.; Arthur E. Booth, 265 S. Alexandria Ave., Los Angeles 4; Hamilton Associates, 1236 Elati St., Denver 4; The MaBi Co., 600 16th St., Oakland 4; The Ridgeway Co., 6226 Dowling Dr., La Jolla, Calif.; P. O. Box 1989, San Diego, 1345 Daveric St., Pasadena, and c/o 133 E. Pomona, Phoenix; Ed B. Schack & Co., 2213 First Ave., Seattle 1. (See ad, p. 40)

KNOX PORCELAIN CORP., Knoxville, Tenn.—Bruce-Emmett Co., 1016 First Ave. So., Seattle 4, and 830 S.E. Alder St., Portland; Matzinger-Johnson, 1329 Willow St., Los Angeles 13.

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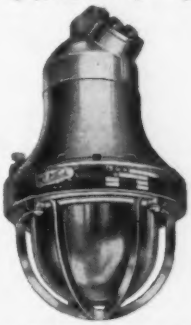
Copper-free aluminum castings, various types of steel porcelain enamel reflectors accommodating 150 watt and 200 watt lamp sizes. Available in pendent, ceiling, bracket and concrete mounting types, with openings for ½", ¾" and 1" conduit.



MERCURY VAPOR . . . Cast in copper-free aluminum, with clear globes of either the fluted or prismatic type, or the smooth type. Choose from pendent, ceiling, bracket or flush concrete mounting styles, and a variety of steel porcelain enamel reflectors. Two basic sizes of each mounting arrangement accommodate Mercury Vapor 250 watt and 400 watt sizes.

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KOHLER CO., Kohler, Wis.—Branch Office: 570 Sutter St., San Francisco; 900 Tower Bldg., Seattle; 3458 Wilshire Blvd., Los Angeles.

KOILED KORDS, INC., 1565 Dixwell Ave., New Haven 14, Conn.— H. C. Mitchell, Jr., P. O. Box 49797, Los Angeles 49; D. B. Evans, 653 Wildwood Lane, Palo Alto, Calif.; D. W. Miksch, 5850 57th N.E., Seattle.

KONDU CORPORATION, 1040 West 12th, Erie, Pa—Bruce-Emmett Co., 830 S. E. Alder, Portland and 1016 First Ave. W., Seattle; F. D. Moran Co. Box 325, Fhoenix.

KOPPERS COMPANY, INC., Metal Products Div., 200 Scott St., Baltimore, Md.—Branch Offices: 55 New Montgomery St., San Francisco, and 3450 Wilshire Blvd., Los Angeles.

KORFUND CO., INC., Westburg, New York—W. H. Steele & Co., 1612 W. Beverly Blvd., Los Angeles 26; Rolph Mills & Co., 371 Fourth St., San Francisco; E. N. Murray Co., 1243 Denver Club Bldg., Denver 2; E. H. Price, Ltd., 83 Robson St., Vancouver, B. C.; John L. Harvey & Co., 121 So. Monroe, Spokane 4; Noise Control of Seattle, 600 West Nickerson St., Seattle 99.

KORNS COMPANY, C. C., 350 Southmont Blvd., Johnstown, Pa.—Ernst F. Hauch Co., 735 Tehama, San Francisco; Incandescent Supply Co., 647 Mission St., San Francisco; Graybar Electric Co., 1750 Alameda St., San Francisco, and 210 Anderson, Los Angeles; Gough Industries, 827 E. 1st St., Los Angeles; General Electric Supply Co., 700 Turner St., Los Angeles; Westinghouse Electric Supply, 905 E. Second St., Los Angeles; Agencies Co., 836 Traction Ave., Los Angeles; Ernst F. Hauch Co., 735 Tehama St., San Francisco 3.

KORTICK MFG. CO., 5600 Third St., San Francisco 24, Calif.—Maydwell & Hartzell, Inc., 870 Tennessee St., San Francisco, and 6400 Corvette St., Los Angeles 13; 2318 N. W. Vaughn, Portland 10; 1216 Poplar Place South, Seattle 44; 121 S. Monroe St., Spokane; 120 South 29th St., Phoenix; 206 W. Island Ave., San Diego; P. O. Box 415, Medford; 602 S. Arizona St., Butte; 806 East 16th St., Tucson; Nat'l Elec. Supply, 611 Keeaumoku, Honolulu, Hawaii. (See ad, p. 40)

KRALOY PLASTIC PIPE CO., 402 West Central, Santa Ana, Calif.—The Curry Co., 190 Lombard St., San Francisco; Carlson Sales, Inc., 1201 Dexter Ave. No., Seattle 9; 935 N. W. 12th, Portland; Ralph Black, 1025 Hermosa Dr., S. E., Albuquerque; McLoughlin Sales Co., 811 East 14th Place, Los Angeles; Jim Dawson Co., 2970 West Short Place, Denver 4; Dan Harvey, P. O. Box 277, Bountiful, Utah.

KRYLON INC., Norristown, Pa.—Leslie D. Morrison, 704 The Alameda, Berkeley 7, Calif.; Swan O. Kjos, 8010 30th Ave., N. E., Seattle 5; H. M. Shoemaker, 1576 Gower St., Hollywood, Calif.; Wm. L. Knoyer Co., 138 West 12th Ave., Denver 4.

KUHLMAN ELECTRIC CO., 2565 E. Maple Road, Birmingham, Mich.— Factory: Kuhlman Elec. Co., 1056 Pellett Ave., Salinas, Calif.; Maydwell & Hartzell, Inc., 870 Tennessee St., San Francisco 7; 6400 Corvette St., Los Angeles; 120 South 29th St., Phoenix; 2318 N. W. Vaughn, Portland 10; 1216 Poplar Place So., Seattle 44, 121 South Monroe, Spokane 8; P. O. Box 415, Medford; 206 W. Island Ave., San Diego 1; Sales Engineers Co., 211-212 Wazee Market, Denver; Hollis R. Johnson, 5528 Timberwolf Dr., El Paso, Tex. (See ad, p. 6)

KULKA ELECTRIC MFG. CO., INC., 633 So. Fulton Ave., Mt. Vernon, N. Y.—Richard A. Strassner Company, 1557 N. Western Ave., Los Angeles 27, Calif.; Pete Bach Electric, 1233 N. W. 12th Ave., Portland 9, Ore.; Ray J. Noel Co. Inc., 4315 So. Western Ave., Los Angeles; James Mundstock, 417 Market St., San Francisco 11; D. A. Steinkamp & Co., 16 Wazee Market, Denver; Shefler-Kahn, P. O. Box 1587, Phoenix.

KURMAN ELECTRIC, 187 Newell St., Brooklyn 22, N. Y.—Bernard L. Cahn Co., 420 Market St., San Francisco.

KURT VERSEN—Listed under Versen.

KURTZ & ROOT CO. INC., 232 E. North Island, Appleton, Wis.—1005 E. Orangethorpe Ave., Anaheim Calif.; Earl S. Condon Co., 3450 Wilshire Blvd., Los Angeles 5.

KWIKHEAT MFG. CO., 3732 San Fernando Road, Glendale, Calif.—Claude Michael Agency, 703 West Ivy, Glendale 4, Calif.

LAKE MFG. CO., 2323 Chestnut St., Oakland, Calif.—Sold by distributors in all principal cities. Factory in Oakland, Calif.

LAKE SHORE ELECTRIC CORP., 78 Nordham Dr., Bedford, Ohio—Artwel Electric, Inc., 1485 Bayshore Blvd., San Francisco; Control Switches, Inc., 6241 W. 89th St., Los Angeles 45; Henry G. Lehl, 14280 S.W. Upland Dr., Oswego, Ore.

LAM, INC., Wakefield, Mass.—Thallon Sales, P. O. Box 937, San Mateo, Calif.

LAMSON CORPORATION, Blower Div., 900 Lamson St., Syracuse, N. Y.—Branch offices: 555 Bryant St., San Francisco 7; Richter Eng. Co., 2311 East 8th St., Los Angeles; E. N. Murray, 1243 Denver Club Bldg., Denver 2; Burhans-Sharpe Co., 625 S. Alaska St., Seattle; National Equip. Co., 1020 S. Sixth West, Salt Lake City; Cooper Eng. Co., 1639 Russ Bldg., San Francisco.

LAMSON MOBILIFT CORPORATION, 2440 S.E. Raymond St., Portland, Ore.—Lift Truck Service, 736 N.E. Broadway, Portland and 5913 Freemont St., Oakland; Kistler Machine Shop, 2536 S. Delaware, Denver 23; Industrial Supply Co., 131 Social Hall Ave., Salt Lake City 10; Wm. T. Billard, Inc., 734 E. 3rd St., Los Angeles 13; Standard Equip. Co., 2725 E. Sprague Ave., Spokane 31; Roadrunner Equip. Co., 143 Coors Blvd., S.W., Albuquerque; Northwest Equip. Co., P. O. Box 73, Yakima, Wash.; Lyman Repair Service, 210 "V" St., Eureka, Calif.; Von Hamm-Young Co. Ltd., P. O. 2630, Honolulu 3, Hawaii.

LAND-AIR, INC. (See Mattern Corp., Sub. of Dynalectron Corp.).

LANDIS & GYR, INC., 45 West 45th St., New York 36, N. Y.—Ault Associates, 120 Santa Margarita Ave., Menlo Park, Calif.; Paul F. Wiley Co., 1632 Silverlake Blvd., Los Angeles.

LANLY COMPANY, 2800 Euclid Ave., Cleveland, Ohio—Egloff & Graper, Inc., 1798 Industrial Way, Los Angeles 23.

LAPP INSULATOR CO., INC., LeRoy, N. Y.—Earl S. Condon Co., 3450 Wilshire Blvd., Los Angeles; Donald E. Ingalls, 1485 Bayshore Blvd., San Francisco 24; Charles F. James, 905 Lloyd Bldg., Seattle; Riter Eng. Co., 1369 Major St., Salt Lake City; R. E. McDonough Co., 829 Maryland Ave., Butte, Mont.; H. C. Guire & Co., 715 South York St., Denver, Colo.; Smith Sales Co., Albuquerque; Honolulu Electrical Products Co. Ltd., P. O. Box 459, Honolulu 9, Hawaii.

LARCO, INC. (Distributor of Lintern Corp. Products), Painesville, Ohio—Gordon N. Proffitt, World Trade Center, San Francisco; James P. Kinney Co., 3659 Whittier Blvd., Los Angeles 23.

LARSON LADDER CO., 651 Martin Ave., Santa Clara, Calif.—W. & B. Stone Co., 1355 Market St., San Francisco; W. P. Fuller & Co., 404 West 4th So., Salt Lake City. Sold through major wholesale distributors in all principal cities.

LaSALLE PRODUCTS, INC., 143 Seneca St., Buffalo, N. Y.—O. W. Coombs Co. Inc., 1026 Olive St. South, Los Angeles 15; W. T. Durkin, 9108 S.W. 50th Ave., Portland 8; George Langevin, 430 27th Ave., San Mateo, Calif.; Kenneth B. Schumann Co., 1073 Galapago St., Denver; Jach H. Wells, 3405 Kromer Ave., Everett, Wash.

LASCO INDUSTRIES, 1561 Chapin Road, Montebello, Calif.—E. B. Cook Co., Inc., 1063 Howard St., San Francisco; E. D. Maupin Associates, Inc., 4020 Avalon, Los Angeles; Bergman-Marshall Co., 1333 Van Dyke Ave., San Francisco.

LAU BLOWER CO.—(See listing under Meier Div.)

LAUREL LAMP MFG. C., INC., 111 Rome, Newark, N. J.—Arthur S. Rosengard, Los Angeles Furniture Mart, Room 1009, Los Angeles.

LAWRENCE PUMPS, INC., 363 Market, Lawrence, Mass.—Belilove Co., 420 Market St., San Francisco.

LAWSON STRAP CO., 16410 Double Grove, La Puente, Calif. — Electrical: Guy deLeuze Co., 1923 Bryant St., San Francisco; Michel Bros., 1016 E. 16th St., Los Angeles; J. W. Reynolds, 1481 S. Main, Salt Lake City. Pumping: Al American, 821 Traction, Los Angeles.

LEACH COMPANY, 412 So. Main St., Oshkosh, Wis. —Graybar Electric Co., General Electric Supply and Westinghouse Electric Supply in all principal cities.

LEACH CORP. Inet Div., 18435 Susana Road, Compton, Calif.—Branch Offices: 1101 Wilshire Blvd., Los Angeles 17, 814 San Antonio Rd., Palo Alto, Calif., South Annex Bldg., Boeing Field, Seattle 8; Representatives: Brown Technical & Associated Sales, 130 Yarrow, Lakewood, Calif.; Weatherbie Ind. Electronics, Inc., 333 Prevost St., San Jose, Calif.; Atlas Electronics, Inc., 4618 Sante Fe, San Diego; Flight Elec. Supply, 423 So. Hindry, Inglewood, Calif.

LEACH CORP., Relay Div., 5915 Avalon Blvd., Los Angeles 3, Calif.—Branch Offices: 814 San Antonio Road, Palo Alto, Calif., 11743 Twelfth St., N.E., Seattle 55; Brown Technical & Associates Sales, 130 S. Yarrow St., Lakewood, Colo.

LEADER LAMP MFG. CO., 476 Broome St., New York City 13, N. Y.—Fred J. Stone Co., 24 Manzanita Ave., San Francisco; Robert Bach Associates, 191 Oneida St., Denver; Herbert Leib, 2759 Dunleer Place, Los Angeles; A. K. Rouslow, 2615 S.E. Courtney Rd., Milwaukie, Ore.

LEADLIGHT FIXTURE CO.—(See Wellmade Metal Products Co.)

LECKENBY STRUCTURAL STEEL CO., 2745 11th Ave., S.W., Seattle, Wash.

LECTROHM, INC., 5560 N. West Highway, Chicago, Ill.—George S. Tivy, 2230 W. 11th St., Los Angeles; Logan Sales, 150 Eighth St., San Francisco.

LECTROMELT FURNACE DIV., McGraw-Edison Co., 32nd St. and A. V. R. R., Pittsburgh, Pa.—Wm. G. Rawson, 3441 Iowa St., Seattle 6; J. B. Ambler, 401 W. Bayaub St., Denver 3; Riter Engineering Co., 1369 Major St., Salt Lake City; Otto H. Rosentreter Co., 7424 S. Garfield Ave., Bell Gardens, Calif.

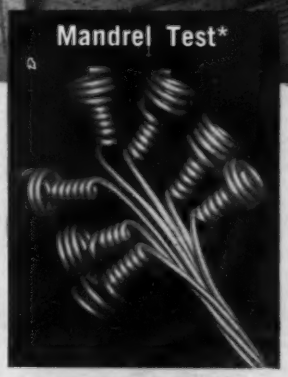
LEE ELECTRIC & MFG. CO., 2806 Clearwater St., Los Angeles 39, Calif.—H. R. Kaewert, 750 Natoma St., San Francisco; Robert Young & Co., 3901 San Fernando Rd., Glendale; Bach Associates, 191 Oneida St., Denver.

LEE YARNS, ROBERT, Two Rivers, Wisc.—L. L. Burror Co., 1126 8th Ave., Oakland; Electrical Specialty Co., in following cities: 158 11th St., San Francisco, 6025 So. Garfield Ave., Los Angeles, 2026 Arapahoe, Denver, 212 N.W. 14th Ave., Portland, 2406 First Ave. So., Seattle, 2588 Simpson Ave., Salt Lake City and P. O. Box 232, Phoenix; H. G. Rising Co., 151 N. Vermont Ave., Los Angeles; C. E. Riggs, 317 N.W. Broadway, Portland; Tri-State Supply Corp. in following cities: 544 S. San Pedro, Los Angeles, 325 Westlake Ave., No., Seattle and 554 Bryant St., San Francisco; Motorman Supply Co., 1241 So. Hill St., Los Angeles.

LEECE-NEVILLE CO., 1374 E. 51st, Cleveland, Ohio — E. W. McConnell, 11462 Cumpston St., North Hollywood, Calif.; C. L. Davenport, 1823 26th Ave., San Francisco.

LEEDS & NORTHRUP COMPANY, 4970 Stenton Ave., Philadelphia 44, Pa.—Branch Offices: 1095 Market St., San Francisco 3. 1311 Republican St., Seattle 9; 2442 So. Downing St., Denver 10, 455 E. 4th South, Salt Lake City 11; 1190 Monterey Pass Rd., Monterey Park, Calif.

STEEL STRAND



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Every coil of wire used in the manufacture of *Crapo* Galvanized Steel Strand is tested and approved by trained laboratory technicians. Samples from both ends of each individual coil are subjected to a series of prescribed tests before stranding. Then, the finished strand is re-checked to make certain that it conforms in every respect to established specifications and our own high quality standards.

Thus you know when you specify *Crapo* Galvanized Strand that every precaution has been taken to assure maximum performance in the finished product.

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Crapo Steel Strand is available in all standard sizes and grades and in Class A, B and C galvanized coatings. Class B coating is twice as heavy as Class A coating; Class C coating is three times as heavy.

*Determines ductility of wire and adherent quality of galvanizing.

INDIANA STEEL & WIRE CO., INC.
Muncie, Indiana

(See listing, Sales Offices, p. 34

BULLDOG ELECTRIC

Manufacturers

METER DEVICES — SERVICE EQUIPMENT
PANEL BOARDS — SWITCH BOARDS
MOTOR CONTROL — UNIT SUBSTATIONS

I-T-E CIRCUIT BREAKER COMPANY
COMMERCIAL APPARATUS GROUP

Representatives

SAFETY SWITCHES — CIRCUIT BREAKERS
LOAD CENTERS — BUS DUCT
TROL-E-DUCT — ELECTROSTRIP

3020 Supply Avenue Los Angeles 22, Calif.

Phone: OVerbrook 5-8200

(See listing, Sales Offices, p. 15)

LEESONA CORPORATION, Elmwood Ave., Providence, R. I.—E. G. Paules, 1762 W Vernon Ave., Los Angeles 37.

LEFFEL, JAMES & CO., THE, 426 East St., Springfield, Ohio—Artwel Electric Co. Inc., 1485 Bayshore Blvd., San Francisco 24.

LELAND OHIO ELECTRIC CO., 1501 Webster St., Dayton 1, Ohio—Artwel Tlectric, Inc., 1485 Bayshore Blvd., San Francisco; Hubert Kaub & Co., 1025 Santa Fe Dr., Denver 4; W. G. Ballantyne, 1224 S.W. Morrison St., Portland 5; Control Switches, Inc., 6241 W. 89th St., Los Angeles 45; James D. Stevens Co., 49 North Second West, Salt Lake City.

LENK MFG. CO., THE, P. O. Box 324, Franklin, Ky. —P & G Associates, 1132 N. W. Glisan, Portland; Eddie Colman & Associates, 1503 S. Maple Ave., Los Angeles 15; Koether-Cox Co., 110 W. 13th Ave., Denver 4; Perlmuth Electronics Associates, 2419 S. Grand Ave., Los Angeles.

LENKURT ELECTRIC CO., INC., 1105 County Road, San Carlos, Calif.—Sales Office, 1000 Howard Ave., San Carlos, Calif. Sold diiect.

LENNOX INDUSTRIES, INC., Marshalltown, Iowa—Branch Offices: 2041 S. Saybrook Ave., Los Angeles; 2200 S. Main St., Salt Lake City; 4007 Webster St., Oakland 9.

LENZ ELECTRIC MFG. CO., 1751 N. Western Ave., Chicago, Ill.—Eichorn & Melchoir Inc., 932 Terminal Way, San Carlos, Calif.; S. L. Spraggins Co., 16042 Ventura Blvd., Encino, Calif.

LEONARD ELECTRIC MFG. CO., 3907 Perkins Ave., Cleveland, Ohio; W. E. Kirk Co., 415 Wall St., Los Angeles; J. H. Ormond, 600 16th St., Oakland.

LEPPER TRANSFORMER CO., West Germany — Calrepco, 1417 Georgia St., Los Angeles 15.

LESCOLIER CO., 333 S. San Pedro, Los Angeles, Calif.—C. B. Gratiot Co., 1282 Folsom St. San Francisco.

LESLIE CO., Lyndhurst, N. J.—Claude B. Smith Co., 844 East 12th St., Oakland 6, Calif.; George Yardley Co., 902 East 17th St., Santa Ana, Calif.; Landes, Zachary & Peterson Co., 2501 South State, Salt Lake City, and 601 South Jason St., Denver 23, John H. Marvin Co. Inc., 2166 Northwest Wilson Ave., Portland, and 427 4th Ave. West, Seattle; E. E. Manke-Hawaii, Inc., P. O. Box 1379, Honolulu, Hawaii.

LEVITON MFG. CO., 236 Greenpoint Ave., Brooklyn, N. Y.—Western Division: 385 E. 2nd St., Los Angeles 5; J. Driscoll, 2166 Market St., San Francisco; Roy J. O'Donnell, 2256 S. Delaware St., Denver 23; W. W. Wheat & Sons, 3818 E. Marginal Way, Seattle 4; Hugh L. Bargion, Honolulu, Hawaii.

LEW ELECTRIC FITTINGS CO., 627 W. Lake St., Chicago, Ill.—F. J. Airey Co., 2324 E. Hunter St., Los Angeles 21; Guenther & Tate, 79 S.E. Taylor Ave., Portland, and 825 Taylor Ave. No., Seattle 9; Bergman-Marshall Co. Inc., 1333 Van Dyke Ave., San Francisco 24.

LEWIS-SHEPARD PRODUCTS, INC., 125 Walnut St., Watertown 72, Mass.—M. E. Canfield Co., 419 E. Third St., Los Angeles 13; Modern Equipment Co., 52 W. 2nd So. St., Salt Lake City 1; Littruck & Equip. Co., 558 1st Ave. South, Seattle 4, and 6840 S.W. Macadam Ave., Portland 1; Bergen-Starr Equipment Co., Inc., 342 N. 16th St., Phoenix; Hamerslag Equipment Co., 110 Freeway Blvd., South San Francisco; Applied Handling, Inc., 1863 Wazee St., Denver 2; Charles F. Mudd, 119 Richmond Drive, S.E., Albuquerque; John B. Clifford Co., 607 Montana, El Paso.

LEXINGTON ELECTRIC PRODUCTS CO., INC., 12 Chapel St., Newark 5, N. J.—Tudor & Assoc., 1004 S. E. Belmont St., Portland 14; Muth-Richards Co., 1804 Bush Place, Seattle 44; Campbell & George Co., 1601 Cortland, San Francisco 10; Hundley Co., 3282 Fletcher Dr., Los Angeles 65.

LIBERTY BELL MFG. CO., Swainsboro, Georgia—Roth Sales Co., 630 Jasmine St., Denver; Northwest Sales Co., 1603 N. W. Johnson, Portland; A. Allen Smith, 1513 Mateo St., Los Angeles; Thos. D. Noble Co., 210 12th St., San Francisco.

LICON SWITCH & CONTROL DIV., Illinois Tool Works, Inc., 6615 W. Irving Park Road, Chicago, Ill.—Representatives: James Findlay Co., 10237 Main St., Bellevue, Wash.; Electronic Components Sales, 2149 S. Clermont, Denver 22, 544 E. 4800 S., Salt Lake City, and 3321 San Padro Drive, N.E., Albuquerque; McKnight Co., 1436 El Camino Real, Menlo Park. Distributors: Farwest Electronics Co., 209 First Ave., S., Seattle 4; Vitus Electric Supply Co., 140 E. 5th Ave., Eugene; Ward Terry & Co., 90 Rio Grande Blvd., Denver; Peninsula Electronic Supply, 656 S. 1st St., San Jose; Electronic Supply Corp., 2985 E. Foothill Blvd., Pasadena; Electronic Supply Riverside Inc., 2486 3rd St., Riverside; Graybar Electric Co., Inc., 210 Anderson Ave., Los Angeles; H. G. Rising, Inc., 151 N. Vermont Ave., Los Angeles 4; Universal Radio Supply Co., 1729 S. Los Angeles St., Los Angeles 15.

LIDSEEN OF NORTH CAROLINA, INC., 1000 1st St., Hayesville, N. C.—Graybar Electric Co., Inc., 210 Anderson St., Los Angeles, and 1750 Alameda St., San Francisco.

LIFE INSTRUMENT CO., Franklin, Mass.—Northwest Sales & Eng., 420 Market St., San Francisco, and Terminal Sales Bldg., Seattle 1; Martin & Ozier, 1709 W. 8th St., Los Angeles 17.

LIGHTALARMS ELECTRONICS CORP., 10 W. Houston St., New York, N. Y.—J. E. Edstrom, 1224 S.W. Morrison, Portland 5; W. E. Kirk Co., 415 Wall St., Los Angeles 13; Robert Thallon, Box 937-Sta. A., San Mateo, Calif.

LIGHTCRAFT OF CALIFORNIA, 1600 W. Slauson, Los Angeles 47, Calif. — Eugene Wilson, 227 N.E. 125th Ave., Portland 16; H. A. D. Mikels, 3839 Divisadero, San Francisco.

LIGHT CONTROL INC., 850 E. 111th Place, Los Angeles, Calif.—Al Slater & Assoc., 9011 15th Ave., N.E., Seattle 15; Gene Seals, 520 E. St., Room 814, San Diego; Ralph Mooney, 411 South First St., Phoenix.

LIGHTING DYNAMICS, INC., 300 N. Baldwin Park Blvd., City of Industry, Calif.—Donald S. Gleason & Assoc., 4710 University Way, Seattle; Clyde E. Dodd, 628 N. Russett, Portland; Ray E. Wendling, P. O. Box 3721, Phoenix; Dave Parker, 1485 Bayshore Blvd., San Francisco.

LIGHTING PRODUCTS, INC., Highland Park, Ill.—James Mundstock, 417 Market St., San Francisco; Wm. Proby & Associates, 2915 13th S. W., Seattle; E. A. Ryan, 1308 N.W. Everett, Portland 9; Wm. A. McGuire, 164 So. Central Ave., Los Angeles; J. W. Reynolds Co., 375 Andrew Ave., Salt Lake City 15; Paul Griffin, Box 3771, Phoenix; Fred Staible & Son, 2046 Arapahoe St., Denver.

LIGHTOLIER, INC., 346 Claremont Ave., Jersey City, N. J. — Branch Office: 2515 So. Broadway, Los Angeles, Calif.; 1585 Folsom St., San Francisco; John Gartner, 4731 Lowell Blvd., Denver; Ron Hartson, 358 W. 189th St., Seattle 77; Richard Robinson, 8680 Golf Drive, Spring Valley, Calif.

LIMA ELECTRIC MOTOR CO., Findlay Road, Lima, Ohio—Starbuck Machine Tool Co., 4111 Airport Way, Seattle; Clyde P. Elliott, 661 Delaware St., Denver 4; Darnall Machinery Co., 315 East Washington Blvd., Los Angeles 15; Moore Machinery Co., 7th and Carleton Sts., Berkeley 10, Calif.; Paul D. Jacobs, 420 Market St., San Francisco.

LINCOLN ELECTRIC CO., 22801 St. Clair Ave., Cleveland, Ohio—Branch Offices: 1224 Walnut St., Denver; 1303 Stanford Ave., Emeryville, Calif.; 2661 So. Yates Ave., Los Angeles; 1034 N.E. Russet St., Portland 11; 15 S. Nevada St., Seattle 4; 420 S. 3rd Ave., Phoenix 3; 650 N. 6th Aver, Tucson; Industrial Supply Co., P. O. Box 600, Salt Lake City; Great Northern Tool & Supply Co., P. O. Box 957, Billings, and 353 W. Midwest Ave., Casper, Wyo.; Big Three Welding Supply Co., 4402 2nd St., Albuquerque, and P. O. Box 1228, Farmington, N. M.; Welding & Industrial Products Ltd., 1370 Makaloa St., Honolulu; Industrial Air Products Co., 1624 Gambell St., Anchorage; Northern Commercial Co., 735 5th Ave., Anchorage; Norco, 1522 River St., Boise; Sierra Oxygen Co., 1300 E. 2nd St., Reno.

LINCOLN LIGHTING PRODUCTS, INC., 4121 N. Rockwell St., Chicago, Ill.—Pete Bach Electric, 1233 N.W. 12th Ave., Portland; Robert E. Gordon, 4016 Oak Hill Road, Oakland 5, Calif.; A. D. Leppard Sales, 1470 E. 3080 South, Salt Lake City.

LINDBERG ENGINEERING CO., 2450 W. Hubbard St., Chicago, Ill.—Branch Offices: 11937 S. Regentview Ave., Downey, Calif.; Blair Engineering Co., 4100 Grape St., Denver 16; Western Factors Co., 2733 4th Ave., S., Seattle 4.

LINDSEY MFG. CO., 222 Vista St., Pasadena, Calif. —Pacific Utilities Supply Co., 141 King St., San Francisco; W. D. Howze Co., 222 Vista Ave., Pasadena; K. M. Ryals Co., 9 1st St., San Francisco; J. E. Edstrom, 1224 S.W. Morrison St., Portland 5; W. H. Eddy Electric Products, P. O. Box 1428, Phoenix; Pole-Line Dist. Co., Inc., 405 W. 13th South, Salt Lake City 10; R&M Sales Co., 2214 S. Clayton St., Denver 10.

LINE MATERIAL INDUSTRIES, Div., McGraw-Edison Co., 700 West Michigan, Milwaukee 1, Wis.—Branch Offices: Paul K. Churchill, West Coast Regional Manager, Los Angeles area, 7105 So. Paramount Blvd., Pico-Rivera, Calif.; 360 Shaw Road, South San Francisco; W. F. Smith, Mountain States Regional Manager, East 3303 Ferry St., Spokane; 1333 N.W. 12th Ave., Portland; 1220 West Nickerson St., Seattle; 614½ State, Boise, Idaho; 740 So. Nevada St., Butte, Mont.; 980 S. 6th West St., Salt Lake City 4; 1330 12th St. N.W., Albuquerque; 1123 Teneighth Way, Sacramento, Calif.; 4502 Lois Drive, Anchorage, Alaska; California Factory: 7533 Avenue 304, Visalia, Calif. Agents: J. E. Redmond Supply Co., 625 West Madison St., Phoenix, Arizona; Hawaiian Lighting & Supply, 1362 Kapiolani Blvd., Honolulu, Hawaii.

LINEMASTER SWITCH CORP., Woodstock, Conn.—Maddox Sales Co., 914 East Third St., Los Angeles; James M. Krotozyner, 544 Market St., San Francisco; Wayne C. Wells Co., 6055 N.E. Glisan, Portland 13; Hyde Electronics, 888 S. Lipan St., Denver 23, and 5206 Constitution Ave., N.E., Albuquerque.

LITECONTROL CORPORATION, 36 Pleasant St., Watertown, Mass.—Al C. Slater & Associates, 9011 15th Ave., N. E., Seattle; Robert E. Gordon, 4016 Oak Hill Rd., Oakland, Calif.

LITECRAFT MFG. PACIFIC CORP., 545 Rodier Drive, Glendale, Calif.—Sales Affiliates Co., 1250 Phelps St., San Francisco 24.

LITE-MOR ELECTRIC MFG. CORP., Lebanon School Rd., West Mufflin Borough, Pittsburgh 36, Pa.—John Roth, 1315 Jasmine St., Denver; Allied Electrical Agencies, 1431 Minor Ave., Seattle.

LITTELFUSE, INC., 1865 Miner St., Des Plaines, Ill.—Ash M. Wood, Box 1158, Arcadia, Calif.; Dave M. Lee, 2517 Second Ave., Seattle; McLoud & Raymond Co., 5403 E. Evans, Denver 22; Harry A. Moore Sales Co., 305 E. Indian School Road, Phoenix.

LLOYD PRODUCTS CO., 114-116 Baker St., Providence 5, R. I.—The Sanderlin Co., 56 S. E. Belmont St., Portland, and 129 First Ave. W., Seattle.

LOCUST PIN CO., INC., Front Royal, Virginia—Maydwell & Hartzell, Inc., in following cities: 870 Tennessee St., San Francisco 7; 6400 Corvette St., Los Angeles; 2318 N. W. Vaughn St., Portland 10; 1216 Poplar Place South, Seattle; 120 South 29th, Phoenix; 121 S. Monroe, Spokane; P. O. Box 415, Medford; 206 W. Island Ave., San Diego; 806 E. 16th, Tucson; 602 S. Arizona St., Butte, Mont.

LORD MFG. CO., 1635 W. 12th St., Erie, Pa.—7046 Hollywood Blvd., Los Angeles 28; 916 Kearny St., San Francisco.

LOTRAN, INC., P. O. Box 2521, Baton Rouge, La.—Earl S. Condon Co., 3450 Wilshire Blvd. Los Angeles; C. E. Ingalls & Sons, Monadnock Bldg., San Francisco 5.

LUCIFER FURNACES, INC., 374 Easton Rd., Neshaminy, Pa.—Paramount Mfg. Co., 2221 4th Ave., Seattle, 1224 S.W. Morrison St., Portland, and 2336 E. 38th St., Los Angeles; Matheson-Doherty Co., 225 Shaw Road, South San Francisco; Equipment Sales & Mfg. Co., 1018 4th St., N.W., Albuquerque; W. L. Echland Co., P. O. Box 183, Wheat Ridge, Colo.; Copper State Machinery Co., 2927 E. McDowell Rd., Phoenix.

LUMA ELECTRIC EQUIPMENT CO., 1607 Coining Drive, Toledo 12, Ohio—Garner Laine Inc., 483 Buena Vista East, San Francisco.

LUMENITE ELECTRONIC CO., 407 S. Dearborn St., Chicago 5, Ill.—Jensen Instrument Co., 1919 W. Beverly Blvd., Los Angeles, and 429 Bryant St., San Francisco; Duncan Equipment Co., 506 Broadway, Seattle; Technical Sales Co., 1731 First Ave., South, Seattle.

LUMIDOR MFG. CO., INC., 4801 E. 50th St., Los Angeles, Calif.—Through jobbers.

LUMINOUS CEILINGS, INC., 3701 N. Ravenswood Ave., Chicago 13, Ill.—Branch: 5100 Santa Monica Blvd., Los Angeles 29; Jack Merritt, 1016 1st Ave., S., Seattle 4; Joseph Pellicano, 1226 S.W. Hume St., Portland; David Merrill, 192 1st Ave., E., Farmington, Utah; W. C. Osborne, 7116 N. 13th St., Phoenix 5.

LUMINOUS EQUIPMENT CO., 1325 W. Webster Ave., Chicago 14, Ill.—Harry N. Lindsey, 1516 W. 81st St., Los Angeles 47; Chas. A. Blakely, 754 Natoma St., San Francisco.

LUSTRA CORP. OF AMERICA, 32-33 47th Ave., Long Island City, N. Y.—Branches: 1440 4th St., Berkeley, Calif.; 4156 S. Main St., Los Angeles.

LUXO LAMP CORP., 1683 Jerrold Ave., San Francisco—James J. Barnett, 4316 Bellaire Ave., Studio City, Calif.; Gordon Dougherty, 334 Ilimalia Loop, Kailua, Hawaii.

LYNCH COMMUNICATIONS SYSTEMS INC., 695 Bryant St., San Francisco 7, Calif.—Graybar Electric Co. all principal cities.

LYON METAL PRODUCTS, INC., 13 Montgomery St., Aurora, Ill.—Branch Offices: 900 S. Turnbull Canyon Rd., City of Industry, Calif.; P. O. Box 3096, Rincon Annex, San Francisco 19; P. O. Box 270, University Station, Seattle 5; 2310 Lloyd Center, Portland 12; P. O. Box 1896, Oakland; 5545 N. 4th St., Phoenix 12.

McCABE-POWERS BODY CO., 5900 N. Broadway, St. Louis, Mo.—Branch Offices: 12121 Los Nietos, Santa Fe Springs, Calif.; 5525 S. E. 28th Ave., Portland 2; Fabco Powers Division, 1249 67th St., Oakland 8; Paul K. Haggard, 5800 E. Marginal Way, Seattle 4; Auto Safety House Inc., 4343 E. Washington, Phoenix; Williamson's Inc., 1925 W. Indiana Ave., Salt Lake City 10.

McCALL'S DESERT-AIR LAMPS—(See Desert Air).

McCORMICK & BAXTER CREOSOTING CO., P. O. Box 3344 (6900 N. Edgewater), Portland, Ore.—Branch Offices: 485 California St., San Francisco; Long Beach, Calif. (See ad, p. 43)

McFARLAND CO., L. D., Box 591, Sandpoint, Idaho—Branch Offices: Eugene, Ore.; Denver, Colo.

McGILL MFG. CO., INC., Valparaiso, Ind.—George A. Gray Co., 2720 17th St., San Francisco 10; J. G. Pomeroy Co., 1004 E. 4th St., Los Angeles 13; Frank A. Strohecker, 2207 1st Ave. So., Seattle 4.

McKINLEY CO., BEN P., 522 So. Clinton St., Chicago, Ill.—C. W. Boswell, 531 Jessie St., San Francisco; J. R. Christensen Agency, 249 East 5th South, Salt Lake City 2; The Sanderlin Co., 129-31 First Ave. W., Seattle; The McLoughlin Co., 811 East 14th Place, Los Angeles 54.

McPHILBEN LIGHTING, INC., 1329 Willoughby Ave., Brooklyn 37, N. Y.—Humber & Walker Co., 314 12th St., San Francisco 3; C. A. Peterson Co., 5757 Huntington Dr., S., Los Angeles 32; Wm. Benndorf Co., 221 E. Camelback Rd., Phoenix, and 7120 Dellwood Rd., N. E., Albuquerque; Frederick E. Gleason, 6511 24th N. E., Seattle 15; Gregg N. Cloos Co., 977 Jackson St., Denver 6; Arty W. Clark, P. O. Box 2402, Salt Lake City 10; Matt Cabot & Associates, P. O. Box 3708, Honolulu 11.

MAC PRODUCTS, INC., 1 Newark St., Hoboken, N. J.—K. M. Ryals Co., 9 1st St., San Francisco; A. B. Smedley & Associates, 848 Marcheta St., Altadena, Calif.; William A. Horning, 902 Friedel Ave., Vancouver, Wash.; Sales Engineers Inc., 211 Wazee Mkt., Denver; Williamson Sales Co., P. O. Box 3275-Sta. D, Albuquerque.

MB ELECTRONICS, P. O. Box 1825, New Haven, Conn.—Pacific Scientific Co., 760 Harrison St., San Francisco, 1218 S.E. 7th Ave., Portland, 421 Michigan St., Seattle 8; 1950 5th Ave., San Diego, P. O. Box 22019, Los Angeles.

M.S.W. MANUFACTURING CO., INC., 1527 Niagara St., Buffalo 13, N. Y.—Ray J. Noel, 4315 S. Western Ave., Los Angeles 62.

MACALLEN CO., Bay Road, Newmarket, N. H.—C. D. La Moree, 2221 Fourth St., Berkeley 10; 2433 Birkdale, Los Angeles 31; C. E. Riggs Inc., 422 N. W. 8th, Portland.

MACBETH DAYLIGHTING CORPORATION, P. O. Box 950, Newburgh, N. Y.—E. S. Browning Co., 2321 Yates St., Los Angeles 22, and 1515 Third St., San Francisco.

MACK ELECTRIC DEVICES, INC., 33 Glenside Ave., Wyncote, Pa.—R. B. Clapp Co., 5404 Alhambra Ave., Los Angeles 32; Irving Ballard Co., 407 Sansome St., San Francisco 11.

MAGNAVOX, Bueter Road, Fort Wayne, Ind., Research Laboratories, 2829 Maricopa St., Torrance, Calif.; DynaSales Co., 4645 E. Olympic Blvd., Los Angeles 22.

MAGNECRAFT ELEC. CO., Hodges & Glomb, 921 Bryant St., San Francisco.

MAGNETIC SHIELD DIV., PERFECTION MICA CO., 1322 N. Elston Ave., Chicago, Ill.—Perlmuth Elec. Assoc., 5057 W. Washington Blvd., Los Angeles, 941 Charleston Road, Palo Alto, Calif.; 8086 Engineers Road, San Diego; 2859 E. Thomas Road, Phoenix; 2745 San Mateo, N. E., Albuquerque; Seatronics, Inc., 1817 Norman St., Seattle.

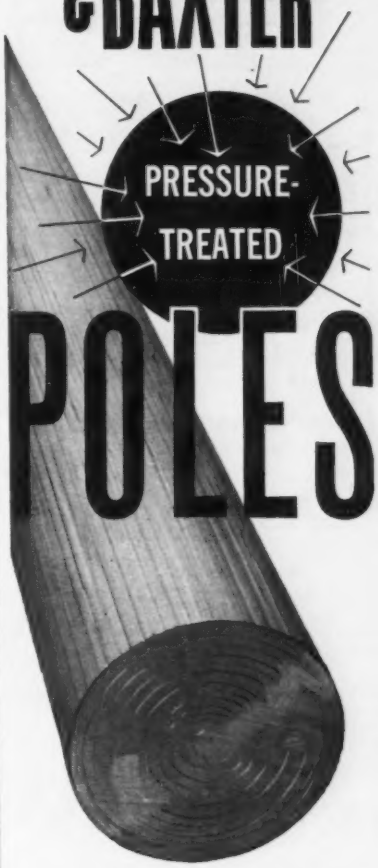
MAGNETROL, INC., 5300 Belmont Rd., Downers Grove, Ill.—Berkley Eng. & Equip. Co., P. O. Box 3856, Honolulu 12; Burhans-Sharpe Co., 625 S. Alaska St., Seattle, and Weatherby Bldg., Portland; Crown Berkley Eng. Co., 2439 Riverside Dr., Los Angeles 39; Johnson Engineering Co., 534 20th St., Oakland 12; E&M Equipment Co., 2415 15th St., Denver, Colo.; Stepco, 211 Sierra Dr., S. E., Albuquerque; A&N Sales Inc., Odd Fellows Bldg., Casper; M. L. Chase, 1119 E. 10th Ave., Anchorage.

MAGNI-FLOOD, ELECTRIC PRODUCTS, 38 North Second Ave., Mt. Vernon, N. Y.—Sold in Western States by Shalda Mfg. Co., 156 West Providencia Ave., Burbank, Calif.

MAGNUSON ENGINEERS, INC., 509 Emory St., San Jose, Calif.—Artwel Electric Inc., 1485 Bayshore Blvd., San Francisco 24.

MAGTROL, INC., 240 Seneca St., Buffalo, N. Y.—Joe Davidson & Associates, P. O. Box 108, Southgate, Calif.

McCORMICK & BAXTER

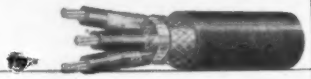
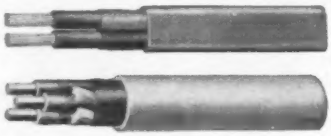


Years of extra service are processed into our straight, strong Douglas Fir poles. Machine-peeled, incised and full length pressure-treated with either Penta or Creosote. Available from stock in Portland, Oregon, and Stockton, California.

McCORMICK & BAXTER
CREOSOTING COMPANY
P. O. BOX 3344 • PORTLAND, OREGON
•
485 CALIFORNIA STREET
SAN FRANCISCO, CALIFORNIA
1110 WEST OCEAN BLVD.
LONG BEACH, CALIFORNIA

(SEE LISTINGS OF SALES OFFICES, PAGE 46)

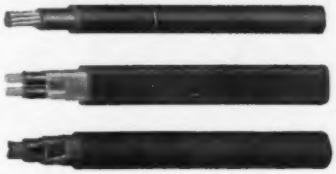
Index of Phelps Dodge

Wires and Cables	Type Letter	Trade Name or Designation	Maximum Operating Temperature	USE
	ACV	Armo-Lok	85 C (185 F)	Dry Locations
	None	Armo-Lok	85 C (185 F) High Voltage	General Purpose: Consult manufacturer for specific applications
	W	Portable Power Cable	75 C (167 F)	Mining Machines, Dredges, Shovels, and similar portable applications
	G		Low Voltage	Pennsylvania Dept. of Mines Flame Resistance Approval P-114. U. S. Bureau of Mines Listing P-114-BM.
	SHD		85 C (185 F) High Voltage	
	RHW	Flamestop Heat and Moisture Resistant	75 C (167 F)	Dry and Wet Locations
	RHH	Flamestop Heat-Resistant	90 C (194 F)	Dry Locations
	RHL	Heat Resistant Rubber Lead	75 C (167 F)	Wet Locations and other Special Conditions
	NM	PD-X Fibrous-covered, Nonmetallic-Sheathed Cable	60 C (140 F)	For Wiring Houses, Rural Buildings, Small Stores, and Shops.
		PD-XT Thermo-plastic-covered, Nonmetallic-Sheathed Cable	60 C (140 F)	For Wiring Houses, Rural Buildings, Small Stores and Shops
	UF	Perma-Dure Nonmetallic-Sheathed Cable	60 C (140 F)	UF: Underground Feeder and Branch Circuit Cable for Direct Burial.
	UF-NMC			NMC: For Interior Wiring in Moist or Corrosive Locations.
	THW	Habirdure Thermo-plastic insulated	75 C (167 F)	Dry and Wet Locations
	TW		60 C (140 F)	Dry and Wet Locations
	TF		60 C (140 F)	Fixture Wire
	TW	Petro-Dure Thermo-plastic Insulated Nylon Jacketed	60 C (140 F)	Dry and wet locations and where exposed to mineral oil, liquid gasoline and gasoline vapor.

PHELPS DODGE COPPER PRODUCTS CORPORATION

Wires and Cables

P MINE TO MARKET D

Wires and Cables	Type Letter	Trade Name or Designation	Maximum Operating Temperature	USE
	TW	Habirdure (9T)	60 C as TW 90 C as Appliance Wiring	NEC Type TW Bldg. Wire—60°C Appliance Wiring—90°C in air or 60°C in water or oil
	None	Habirdure Appliance Wire	105 C (221 F) IN AIR 80 C (176 F) IN OIL	Appliance Wiring
	SE	Service Entrance Type SE — Style U Unarmored	75 C (167 F)	Service Entrance or Combination Service Drop & Service Entrance
	SD	Service Drop Type SD	60 C (140 F)	Service Drop
	USE	Service Entrance Type USE	75 C (167 F)	Underground Service Entrance, Direct Burial.
	V	Varnished Cloth Braided	85 C (185 F)	Dry locations only. Smaller than No. 6 by special permission.
	VL	Varnished Cloth Lead	85 C (185 F)	Wet or Dry locations. Smaller than No. 6 by special permission.
	None	Habirduct Habirprene	75 C (167 F) Low Voltage	General Purpose for Direct Burial, Aerial, Conduit and Underground Duct Installations.
		Habirite Habirprene	85 C (185 F) High Voltage	
	S or SO	Hard Service Cord	60 C (140 F)	Pendant or portable extra hard usage in damp locations; SO for oil resistance
	SJ or SJO	Junior Hard Service Cord	60 C (140 F)	Pendant or portable hard usage in damp locations; SJO for oil resistance
	SP	All Rubber Parallel Cord	60 C (140 F)	For use in pendant or portable applications in damp locations not subject to hard usage

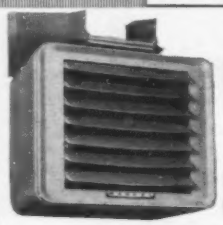
BUILDING WIRES AND CABLES

(See listing, Sales Offices, p. 58)

MARKEL ELECTRIC HEAT

Fan-Forced!
Radiant!
Natural Convection!

RESIDENTIAL!
INDUSTRIAL!
COMMERCIAL!
INSTITUTIONAL!



28 STANDARD MODELS!

A Complete LINE of

Industrial & Commercial UNIT HEATERS

- 2000 to 10,000 Watts (Up to 30 KW available May 1962)
- 208, 240 & 480 Volts

Single & 3 Phase Types, Suspended & Portable Models.

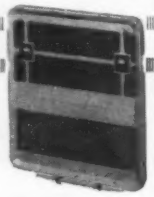
Featuring Totally Enclosed Stainless Steel Finned Elements!

ELECTRIC *Thrift Trim*

BASEBOARD HEETAIRES

Cost less to buy . . . less to install! Low surface temperature! Simple mounting. Splice boxes prewired to elements!

Automatic or Manuals 2 ft. (500 w) to 8 ft. (3000 w)



HEAVY DUTY FAN-FORCED WALL HEATERS

- AUTOMATIC
- 2000-4800 W., 208 or 240 v.

Recessed or Surface Mounted

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MAKOMB STEEL PROD., Div. Globe American Corp., N. Dudley, Macomb, Ill.—Chas. H. Lilly Co., Spokane; Monroe Dairy Machinery, Inc., Spokane; Duthin Seed Co., Lewiston; Cascade Supply Co., Portland; Polson Impl. Co., Seattle.

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MALLORY & CO., INC., P. R., 3029 E. Washington, Indianapolis, Ind.—Branch Office: 9121 East Garvey, Rosemead, Calif.; Hodges Glomb, 921 Bryant St., San Francisco; Don H. Burcham, 510 N. W. 19th Ave., Portland; Electric Motor Co., Denver.

MALLORY BATTERY CO., 60 Elm St., N. Tarrytown, N. Y.—Branch: 9121 E. Garvey St., Rosemead, Calif.; 1225 6th St., San Francisco; Don Burcham Co., 2517 2nd Ave., Seattle 1, and P. O. Box 4098, Portland 8; Koetler Vox Co., Denver, Colo.; R. A. McEachen Co., 1221 Date St., Montebello, Calif.

MANHEIM MFG. & BELTING CO., 315 Stiegel St., Manheim, Pa.—A. W. Nash, 2112 S. Atlantic Blvd., Los Angeles; T. T. Watson, 1226 Bailey, Seattle 8.

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MANNING PAPER CO., INC., JOHN A., Troy, N. Y. — Insulation & Wires, Inc., in following cities: 6415 East Fleet St., Los Angeles; 310 Shaw Road, South San Francisco, and 1112 N.W. 19th Ave., Portland.

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MARCO INDUSTRIES CO., 207 S. Helena, Anaheim, Calif.—Western Electromotive, 8467 Stellar Dr., Culver City; Wayne Goldie Co., P. O. Box 146, San Diego; Ruehle Sales, 465 S. Leyden St., Denver 22; E. B. Schwerin Co., 4412 Hollister, Santa Barbara, Calif.; W. V. Brainard, 2181 Grant Rd., Los Altos, Calif.; Ray Johnston Co., 1011 N. E. 69th St., Seattle 15.

MARCUS TRANSFORMER CO., 900 Leesville Ave., Rahway, New Jersey—Pacific Industries, 8255 Beverly Blvd., Los Angeles; E. B. Cook, 1063 Howard St., San Francisco; Sterling Electric Co., 320 2nd & Cherry Bldg., Seattle; Makinney (Hawaii), P. O. Box 1577, Honolulu, Hawaii.

MARK & CO., CLAYTON, 1900 Dempster St., Evanston, Ill. (Listed under Clayton Mark.)

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MARKS MFG. CO., 700 N. Carpenter St., Chicago 22, Ill.—Philo E. Bagg, 1355 Market St., San Francisco; Elliott R. Kroll, 1933 S. Broadway, Los Angeles.

MARKSTONE MFG. CO., 1531 N. Kingsbury, Chicago 22, Ill.—Western Offices: Lewis C. Brady, Rt. 1, Box 453-B2, Arvada, Colo.

MARLEY COMPANY, THE, 222 W. Gregory Blvd., Kansas City 14, Mo.—Branch Offices: 924 E. Main, Alhambra, Calif., and 420 Market St., San Francisco; Arthur Forsyth Co., 2800 15th Ave., West, Seattle; Pace-Turpin Co., 726 So. 3rd West St., Salt Lake City; J. E. Redmond Supply Co., 625 West Madison St., Phoenix; E. S. Constant Co., 1814 S. E. 7th Ave., Portland; Technical Service Co., 700 Haines Ave., N. W., Albuquerque.

MARLUX CORPORATION, Marlux Park, Billerica, Mass.—Jim Shirreffs Co., 3601 S. Broadway Pl., Los Angeles; Gregg Cloos, 977 Jackson St., Denver.

MARMON-HERRINGTON COMPANY, 1511 W. Washington St., Indianapolis, Ind.; Robblee Utilities Equip., 3423 4th Ave. So., Seattle; Edw. L. Kropp Co., 1405 S. E. 8th St., Portland; Western Traction Co., 1615 Jerrold Ave., San Francisco; Crook Co., 2900 S. Santa Fe Ave., Los Angeles; Starline Equip., Boise; General Equipment Co., Reno, Nev.; Farmington Motor Co., Farmington, N. M.; Winter-Weiss Co., 6130 2nd St., N. W., Albuquerque, and 2201 Blake St., Denver 5; Foulger Equip. Co., Salt Lake City; Midland Implement Co., Billings, Mont.; Taylor's Ford Sales and Service, Rock Springs, Wyo.; Ray Korte, 401 W. Van Buren, Phoenix; Grace Brothers, Ltd., P. O. Box 78, Honolulu, Hawaii.

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MARTIN STAMPING & STOVE CO., Huntsville, Ala. —O. B. Wilt Co., 934 Terminal Way, San Carlos, Calif.; Rieder & Miller Assoc., P. O. Box 4847, Portland 13; Ed Schack, 2213 First Ave., Seattle 1; Sid McIntyre, 805 Gaylor St., Denver.

MARTINDALE ELECTRIC CO., 1375 Hird Ave., Cleveland, Ohio—Tri-State Supply Co., 554 Bryant St., San Francisco 7, 325 Westlake Ave., Seattle 9, and 544 S. San Pedro St., Los Angeles 13.

MARVEL LAMP COMPANY, 95 River St., Hoboken, N. J.—California Electric Supply Co., 12th and Folsom St., San Francisco; Vic Paul Co., 510 N. W. Hoyt St., Portland; Bach Associates, 191 Oneida, Denver; Ray J. Noel Co., 4315 South Western Ave., Los Angeles.

MARVIN ELECTRIC MFG. CO., 648 Santa Fe Ave., Los Angeles 21, Calif.—L. S. Reed & Co., 1018 Lawrence St., Denver 4; Dave Cohen, 2166 Market St., San Francisco; Hugh Bargion, P. O. Box 3679, Honolulu 11; Ken V. King, 5815 N. 10th St., Phoenix; Harry Stearns, 523 N. W. Everett, Portland; Stearns Sales Co., 6422 Browns Point Blvd., N. E., Tacoma; M. B. Walker, Lakota Star Route No. 1290, Tacoma.

MASK-OFF CO., Monrovia, Calif. — Mabi Co., 600 16th St., Oakland.

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MAXSON ELECTRONICS, Unimax Switch Div., Wallingford, Conn.—M. A. Stolaroff Co. Inc., 4622 W. Slauson Ave., Los Angeles; Hyde Electronics, 888 S. Lipan St., Denver 23; Andrew L. Polich, Inc., 734 N. W. Glisan St., Portland 9, and 3220 16th Ave., W., Seattle 99; Allan-Cochrane Co., 2215 S. El Camino, San Mateo, Calif.

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MECHANICAL PRODUCTS, INC., 1824 River St., Jacson, Mich.—1226 W. Olive Ave., Burbank, Calif.; Avnet Electronic Corp., 5877 Rodeo Road, Los Angeles.

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MERCURY PRODUCTS CO., Boston Post Road, Gulfford, Conn.—Ed B. Schack & Co., 2218 1st Ave., Seattle.

METALECTRICS, INC., 627 Greenwich St., New York City 14, N. Y.—Bach Associates, 191 Oneida St., Denver; Charles B. Gratiot Co., 1282 Folsom St., San Francisco.

METALFAB, INC., 1st & Elm Sts., Beaver Dam, Wis. —Direct sales, contract basis. (See ad, p. 48)

METALS & CONTROLS DIV., Texas Instruments, Inc. Forest St., Attleboro, Mass.—West Coast Office: 9033 Wilshire Blvd., Beverly Hills, Calif.; KLIXON Parts Distributors: L. L. Burror Co., 1126 8th Ave., Oakland 6; Arrowhead Elec. Corp., 5979 S. Figuero, Los Angeles 3; Center Elec. Eng., 1501 Center St., Tacoma and Seattle; C. E. Riggs, Inc., 317 N.W. Broadway, Portland 9; Western Electro Motive, 5544 West Pico, Los Angeles.

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METRON INSTRUMENT CO., 432 Lincoln St., Denver, Colo.—Component Sales Calif., Inc., 4626 Van Nuys Blvd., Sherman Oaks, Calif.

MEYERS SAFETY SWITCH CO., INC., 423 Tehama St., San Francisco 3, Calif. (See ad, p. 99)

MICA INSULATOR DIV. of Minnesota Mining & Mfg. Co., 797 Broadway, Schenectady 1, N. Y. Minnesota Mining & Mfg. Co., 3663 1st Ave. S Seattle; 6023 S. Garfield Ave., Los Angeles; 32 Shaw Road, So. San Francisco; 1410 Kapiolani Blvd., Honolulu 14, Hawaii; Vern Smith, Star Rte. B, Box 3899 N. Spenard, Alaska.

MICHAEL FLYNN MFG. CO., 700 E. Godfrey Ave., Philadelphia, Penna. — Branch: 18111 E. Railroad St., City of Industry, Calif.

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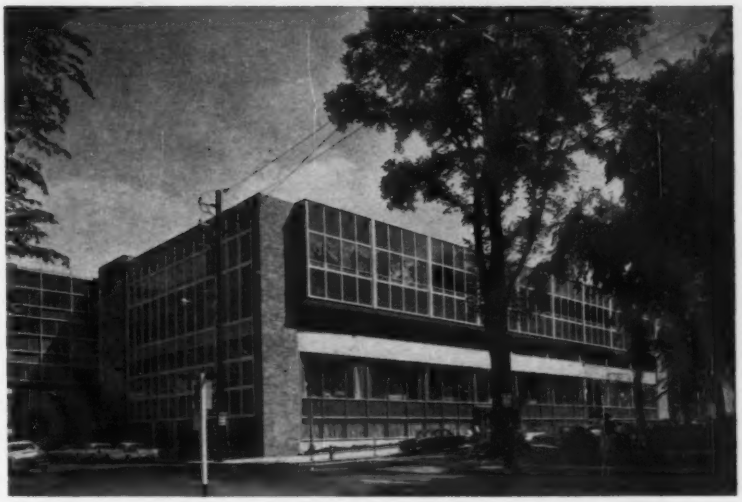

Portland State College's new 1½ million dollar "College Center" addition is completely up-to-date with a Mears 3000 A Fused Circuit Breaker. **Architect:** Lawrence, Tucker & Wallmann, Portland, Oregon. **Electrical Engineer:** Grant Kelley & Associates, Portland, Oregon. **Electrical Contractor:** Lord Electric Company, Inc., Portland, Oregon. **Mears Representative:** H. G. Lehl, Oswego, Oregon.

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MEARS-ENGINEERED breakers are offered in FIXED SWITCHBOARD, PLUG-IN and DRAWOUT mountings.

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MEARS-ENGINEERED breakers are manually or electrically operated, in 600 through 4000 ampere frame sizes.

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Our reputation for outstanding quality, with service, has been built through years of experience in meeting the specific needs of leading transformer manufacturers.

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MIDGET HEATER & SPEC. CO., 2801 Pacific Ave., Tacoma, Wash.—Incandescent Supply, 647 Mission St., San Francisco; Valley Electric, 1831 18th St., Sacramento, Calif; North Coast Elec. Supply, 625 N. W. Everett, Portland; Eoff Electric, 509 N. W. 10th, Portland; Love Electric, 1914 Market, Tacoma; Palmer Electric, 307 Westlake N., Seattle; Columbia Elec. Co., E. 3420 Ferry Ave., Spokane.

MID-WEST CHANDELIER CO., 15th and Gentry, No. Kansas City, Mo.—Merwin Altfeld, 3038 Overland Ave., Los Angeles 34; Ernie Massman, Columbia Falls, Mont.; Fred J. Stone Co., 24 Manzanita Ave., San Francisco.

MIDWEST ELECTRIC PRODUCTS, INC., 1515 N. Front St., Mankato, Minn.—Walter W. Corman, 7432 W. 80th St., Los Angeles 45, Calif.; Wayne C. Wells, 6055 N.E. Glisan, Portland 13; Howard & Goepp Co., 1301 6th St., San Francisco 7; Electric Locator & Supply, 3921 Delamar N.E., Albuquerque, N. M.; R & M Sales Co., 2214 S. Clayton St., Denver 10.

MIDWEST PIPING, a Division of Crane Co., 1450 South Second St., St. Louis, Mo.—Branch Office: 520 Anderson St., Los Angeles 33.

MILBANK MFG. CO., 1111 Virginia St., Kansas City, Mo.—Industrial Eng. & Equipment Corp., 2975 Wilshire Blvd., Los Angeles; Pacific Electric Sales Co., 140 S. E. 28th Ave., Portland.

MILLER CO., THE, 99 Center St., Meriden, Conn.—E. D. Heintze, 810 Hoyt St., Denver 15; English & Associates, 4229 122nd Ave., S.E., Bellevue, Wash.; Pacific Southwest Sales Co., 750 South Kohler St., Los Angeles 21; Wm. L. Duncan, 72 Townsend St., San Francisco.

MILLER CLOCK, HOWARD—See listing Howard Miller Clock.

MILLER ELECTRIC CO., 120 Main St., Pawtucket, R. I.—Ed B. Schack & Co., 2216 First Ave., Seattle; John Carder Jr. Co., 1624 First St. N. W., Albuquerque.

MILLER ELECTRIC MFG. CO., 718 South Bounds St., Appleton, Wis.—E. W. Connor, Reg. Mgr., 4662 Richmond St., Fremont, Calif.; D. K. Rowen, Dist. Mgr., 2414 East Romneys Dr., Anaheim, Calif.; A. H. Thurlow, Dist. Mgr., 8951 S.E. Fuller Road, Portland.

MILLER EQUIPMENT CO., INC., 13th and New Streets, Franklin, Pa.—E. D. Bullard Co., 2680 Bridgeway, Sausalito, Calif., and 6719 S. Figueroa St., Los Angeles 3; Safety & Supply Co. 115 Blanchard St., Seattle; Sanderson Safety Supply, 935 S.E. Hawthorne, Portland 14; Arizona Safety Shoe & Equip., 4138 N. 19th St., Phoenix; Central New Mexico Equip., 3712 Edith Blvd., N.E., Albuquerque; Midwest Rubber & Supply, 710 W. Colfax Ave., Denver 4.

MILLER-HARRIS INSTRUMENT CO., 1134 S. First St., Milwaukee, Wis.; James M. Krotozyner, 544 Market St., San Francisco; Ed Warburg Co. Inc., 1207 E. 8th St., Los Angeles 21; Wayne C. Wells, 6055 N.E. Glisan St., Portland.

MILLER-ROBINSON CO., 7007 Avalon, Los Angeles 3, Calif.

MILLER TOOL & MFG. CO., INC., K., 857 Elm St., West Springfield, Mass.—J. H. Kay, 713 East 3rd, Los Angeles; Garrison & Co., Builder's Exchange, 850 S. Van Ness, San Francisco 10.

MILWAUKEE CRANE DIV., Novo Industrial Corp., 3271 E. Van Norman Ave., Cudahy, Wis.—Sales Engineering, Inc., 205 West Utopia Ave., Salt Lake City.

MILWAUKEE ELECTRIC TOOL CORP., 5316 W. State St., Milwaukee 8, Wis.—Branch: 2569 W. Olympic Blvd., Los Angeles. and 405 Cedar St., Seattle 1; R. R. Premo, 107 N.E. 41st St., Portland 12; Robert Currie, 216 11th St., San Francisco; Ted Green, 9391 N. Knox Ct., Westminster, Colo.; Thomas Langdon, 6739 W. Campbell Ave., Phoenix 33.

MINARIK ELECTRIC CO., 224 E. 3rd St., Los Angeles 13.

MINERALLAC ELECTRIC CO., 25 N. Peoria St., Chicago, Ill.—F. J. Airey Co., 2324 East Hunter St., Los Angeles 21; H. C. Guire Co., 715 S. York St., Denver 9; Wm. O. Proby & Associates, 1308 N.W. Everett, Portland 9, and 2915 13th Ave., S.W., Seattle; George E. Honn Co., Inc., 560 Third St., San Francisco.

MINE SAFETY APPLIANCES CO. (Brooks Div.), 201 N. Braddock Ave., Pittsburgh 8, Pa.—Branch Offices: 1255 Howard St., San Francisco 3; 115 W. 25th St., Los Angeles 7; 71 Columbia St., Seattle 4, and 257 Rio Grande St., Salt Lake City 1; 1906 E. 18th St., Tucson, Ariz., and 3743 N.E. 35th Place, Portland 12; Best Linemen's Supply, 543 First Ave. So., Seattle.

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MINNEAPOLIS - HONEYWELL, Controls, Switches, Electric Systems, 2753 4th Ave. So., Minneapolis, Minn.—See sales offices listed under Minneapolis-Honeywell Regular.

MINNEAPOLIS-HONEYWELL REGULATOR CO., PRECISION METER DIVISION, Grenier Field, Manchester, New Hampshire—Branch Offices: 6620 Telegraph Rd., Los Angeles 22, 2 Dorman Ave., San Francisco; 1515 Morena Blvd., San Diego; 4125 No. 7th Ave., Phoenix; 2600 S.E. Belmont, Portland; 401 Pontius Ave., Seattle. Hyde Electronics, 888 So. Lipan St., Denver 23.

MINNESOTA MINING & MFG. CO., 900 Bush Ave., St. Paul 6, Minn.—Branch Offices: M. D. Benson, Sales Mgr., 6023 S. Garfield, Los Angeles 22; F. A. Blankenbaker, Sales Manager, 320 Shaw Road, South San Francisco, and 3663 1st Ave. S., Seattle.

MIROFLECTOR CO., INC., 40 Bayview Ave., Inwood, L. I., N. Y.—Fred D. Benz, 520 4th, San Francisco; Dick English, 4229 122nd Ave. S.E., Bellevue, Wash.

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MODERN SUPPLIERS, 1090 Leggett Ave., N. Y. City 59, N. Y.—Ball & Block, 3039 E. 12th St., Los Angeles.

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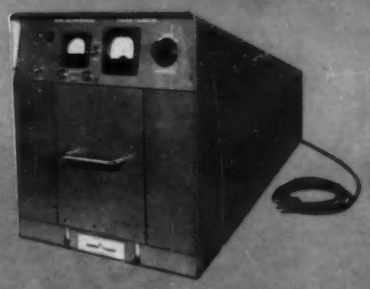

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Model S467-1 Pick-Up Assembly produces an output voltage proportional to conductor current, in a fixed phase relationship with it, without line break-in or dead ending. Low in cost, easily and safely installed. For capacitor switching; load limit tripping, checking or warning; power direction sensing; line current measurement. Output: 1 volt for every 60 amps of conductor current, linear from 0-5000 amps. May be connected to switching circuit, relay, magnetic amplifier, panel instrument, etc.

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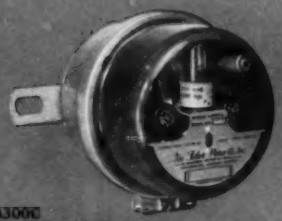

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Switching capacity 3000 or 6000 watts; turn-on 0.5 to 500 foot-candles.

Weatherproof head enclosure, plugs into meter socket . . . SPST, SPDT, DPST switching arrangements . . . fail safe operation . . . delayed circuit response to prevent false operation due to lightning . . . fuse and potentiometer checked or adjusted without removing enclosure . . . for 105-130 or 210-250-volt, 50/60 cycle operation; insulation level 4.5 KV.

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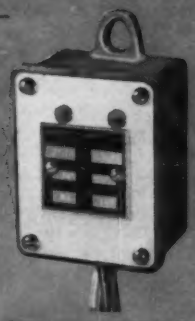

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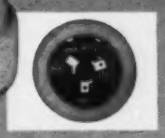

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Fisher-Pierce manufactures a complete line of photocontrols for indoor and outdoor use, as well as photorelays and light sources, timers, scanners and related devices for utility, industrial and commercial applications. Write for descriptive literature or contact your Fisher-Pierce representative. The Fisher-Pierce Co., 43A Pearl St., So. Braintree 85, Mass.

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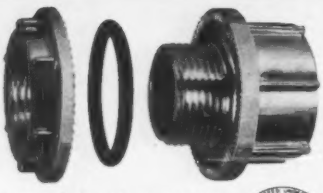

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NIFE, INC., Coplague,, L. I., N. Y.—Carlson Sales, Inc., 1201 Dexter Ave. No., Seattle, and 935 N. W. 12th, Portland; Eddy Electric Products, Inc., P. O. Box 1428, Phoenix; Gordon H. Proffitt, World Trade Center, San Francisco 5; Moralee W. Silver, 1771 E. 9th South, Salt Lake City 5; Warren C. Webb, 1709 W. 8th St., Los Angeles 17; Peterson Co., 4949 Colorado Blvd., Denver 16; T. A. Ford Co. Inc., 402 Agostino Rd., San Gabriel, Calif.

NIKOH TUBE CO., 5000 S. Whipple St., Chicago, Ill. —Agencies Co., 836 Traction Ave., Los Angeles; Rocky Mountain Elec. Co., 16 Wazee Market, Denver 2.

NIPPERT ELECTRIC PRODUCTS CO., 1759 West Mount St., Columbus, Ohio—All West Coast area is handled by a direct factory representative. Any inquiries should be directed to Home Office. Phone 274-1114.

NITROSE CO., INC., 1st National Bank Bldg., Peoria, Ill.—T. T. Watson Co., 1226 Bailey St., Seattle; Waldron, Duffy & Smith, Inc., 941 - 6th St., San Francisco; Metropolitan Supply Co., 1153 S. Greenwood, Montebello, Calif.

NOBLE CO., 1860 7th St., Oakland, Calif.

NOLLER CONTROL SYSTEMS, P. O. Box 118, Oakland—Artwel Electric Inc., 1485 Bayshore, San Francisco.

NORMA-HOFFMAN BEARINGS CORP., Stanford, Conn. — Walker Div., T. A. Ford, 402 Agostino Rd., San Gabriel, Calif.; Harold R. Swanton, Inc., 498 Brannan St., San Francisco, 2739 4th Ave. S., Seattle, 1706 S. Grand Ave., Los Angeles.

NORTH AMERICAN ELECTRIC LAMP CO., 1520 North 13th St., St. Louis, Mo.—F. J. Airey Co., 2324 East Hunter St., Los Angeles 21.

Choose from the leading line—

THE LARGEST SELECTION OF CAST IRON BOXES

HOT DIPPED GALVANIZED

HOPE Since 1919

REDUCE OUTDOOR LIGHTING COSTS

Specify the *Original*

HOPE

MALLEABLE IRON METAL PIPE POLE BASE

Attractive, rugged lighting poles easily field-fabricated by combining Hope threaded bases with *standard* conduit or pressure pipe. Four base sizes permit your fixture and elevation selection for a limitless variety of installations. Base hubs tapped deep for strong, locking engagement with threaded pipe. Ample chamber for stubbing conduit, splicing, grounding.

H42200 2"
H42250 2½"
H42300 3"
H42400 4"

Bases also available with weatherproof 3 pole receptacle covers, 110v. or 208v., or both.

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HOPE ELECTRICAL PRODUCTS CO.

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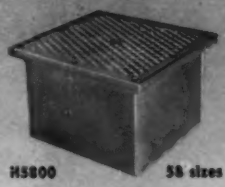
ELizabeth 4-7837

HUNDREDS OF TYPES AND SIZES

FLUSH MOUNTED NEMA IV WEATHERPROOF

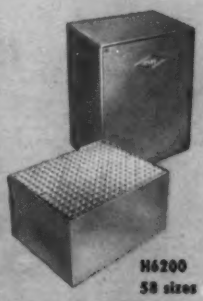


H5800 58 sizes

SIDEWALK BOX WITH CHECKERED NON-SKID COVER

H7000 60 sizes

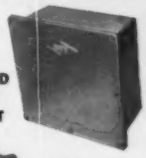
FLANGED RECESSED COVER BOXES, PLAIN OR CHECKERED COVER



H6200 58 sizes

INTERNAL FLANGED WITH PLAIN OR CHECKERED COVER

SURFACE MOUNTED NEMA IV WEATHERPROOF



H8000 92 sizes

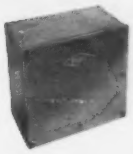
FLAT FLANGED COVER WITH WIDE GASKET

H2200 134 sizes

OVERLAP COVER WITH RETAINED GASKET

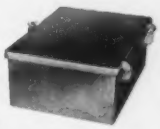
H3200 138 sizes

HINGED COVER, WITH WING NUT CLASPS, RETAINED GASKET



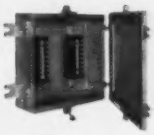
H1200 172 sizes

PLAIN SCREW COVERS



H5500 50 sizes

PIN HINGED COVER WITH SINGLE WING CLASP



H3200-T 17 sizes

TERMINAL CABINETS FOR THERMOCOUPLES OR CONTROL

EXPLOSION RESISTING NEMA VII CLASS I GROUP D

H6000 118 sizes

JUNCTION AND APPARATUS BOXES FOR HAZARDOUS VAPOR LOCATIONS

H6000 S 4 sizes

SAFETY SWITCHES FOR HAZARDOUS LOCATIONS, 30, 60, 100, 200 amp. to 600v.

H6000 W

Twelve window sizes

SQUARE OR RECTANGULAR, FOR METERING, INSTRUMENTATION

Boxes can be supplied to your specifications with Drillings • Tappings • Five Thread Bosses • Mounting Lugs • Special Gaskets • Electrical Apparatus • Many types can be modified to meet special conditions.

For full information on the entire box line, REQUEST YOUR HOPE CATALOG TODAY

Completely illustrated • Full dimensional and technical data

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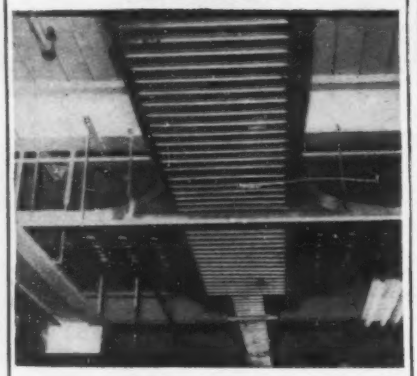
(See listing, Sales Offices, p. 34)

Save Time, Money Speed Installations with . . .

P-W

CABLE SUPPORTING SYSTEMS



P-W's TYPE "E" (PUNCHED BOTTOM) TRAYS—FOR POWER AND CONTROL CABLES AND INSTRUMENT TUBING—ALTHO LESS EXPENSIVE, ARE STRONGER, VERSATILE AND SUPERIOR. CONTROL CABLE CAN BE DROPPED OUT ANYWHERE.

Engineers, Contractors and Installers look for QUALITY, LONG LIFE, AND LABOR SAVINGS in their supports. That's why more and more users are turning to P-W. Among our outstanding improvements are: CONNECTIONS that are quick and easy to install—PRE-CUT SYSTEMS saving installation time—EXTENSION CONNECTORS eliminating field cutting to complete runs — ADJUSTABLE HORIZONTAL and RISER CONNECTORS to go over, under or around pipes, trusses, columns, etc. — BUILT-IN ADJUSTABLE DROP-OUT SECTIONS eliminate cutting out bottom of tray — STRAIGHT SECTIONS available in lengths up to 16' (33⅓% less connectors and less installation time over 12' lengths).

P-W SUPPORTS are available in hot dip galvanized steel or aluminum, in LADDER, EXPANDED METAL and SOLID TRAYS in addition to Type "E". All systems are interchangeable. Write for Catalog 858-A.

For the utmost in service, contact the appropriate Representative in your territory or P-W direct, regarding inquiries and placing orders.

P-W INDUSTRIES
11200 Roosevelt Blvd.
Philadelphia 15, Pa.

NU-ART LIGHTING & MFG. CO., 2360 West 21st South, Salt Lake City 11, Utah—Bruce-Emmett Co., 830 S. E. Alder St., Portland, 12103 E. Boone, Spokane, 1016 1st Ave. So., Seattle 4; Joseph E. Shull & Son, 3350 Whittier Blvd., Los Angeles 23; Stanley Sales Corp., 636 Potrero Ave., San Francisco; Ralph Meislahn, P. O. Box 5162 Terminal Annex, Denver; James Hallek Sales Co., 7120 Dellwood Rd., N.E., Albuquerque; The Darger Co., 211 So. 2nd West, Salt Lake City. (See ad, p. 52)

NULCO MFG. CO., 335 Barton St., Pawtucket, R. I. —M. A. Wagner, 1075 Broadway, Belmont, Calif.; Mirwin R. Altfeld, 11749 W. Pico Blvd., Los Angeles 64; Pete Bach, 1233 N.W. 12th Ave., Portland 9.

OHIO BRASS COMPANY, Mansfield, Ohio—Branch Offices: A. M. Bohnert, Mgr., 1503 Hobart Bldg., San Francisco; V. L. Crabb, 930 Subway Terminal Bldg., Los Angeles; C. R. Kingsbury, 700 Northern Life Tower, Seattle; J. S. Veatch, 5990 N. Washington St., Denver 16; F. W. Gorman, 1701 Texas St., El Paso; John Ridenbaugh-F. W. Gorman, 1330 No. 12th St., Albuquerque; Harold Hunn-F. W. Gorman, P. O. Box 10065, Phoenix.

OHIO CARBON CO., 12508 Berea Road, Cleveland 11, Ohio—Representatives: C. F. Bowers, 544 S. San Pedro St., Los Angeles 13. Distributors: Tri-State Supply Corp. in following cities: 544 S. San Pedro St., Los Angeles 13; 554 Bryant St., San Francisco 7; 325 Westlake Ave. No., Seattle 9; Hendrie & Bolthoff Co., 1635 17th St., Denver 17; Nixon-Kimmel, 167 S. Wall, Spokane; Kalispell Merc. Co., Kalispell, Mont.; J. Korber & Co., 200-224 N. Second St., Albuquerque.

OHIO ELECTRIC MFG. CO., 5400 Dunham Rd., Maple Heights, Ohio—Electric Motor Engineers, 8255 Beverly Blvd., Los Angeles 48; Hayes Equipment Co., 1232 Hearst Bldg., San Francisco; Fred G. Greaves Co., 418 8th Ave. North, Seattle; W. G. Ballantyne, 1224 S. W. Morrison, Portland; Artwel Electric Co., 1485 Bayshore Blvd., San Francisco.

OHMITE MFG. CO., 3601 Howard St., Skokie, Ill.—Herb Becker Co., Inc., 1140 Crenshaw Blvd., Los Angeles 19; Belchamber & French, 1485 Bayshore Blvd., San Francisco 24; Shefler & Kahn Co., P. O. Box 1587, Phoenix; McLoud & Raymond Co., 5403 East Evans, Denver 22; Marsh Agencies, 2601 First Ave., Seattle 1.

OKONITE COMPANY, 220 Passaic St., Passaic, N. J. —Branch Offices: E. J. Danielson Reg. Mgr., West Coast Region, 6500 E. Washington Blvd., Los Angeles 22; 230 Shaw Road, South San Francisco; 320 S. W. Stark St., Portland 4, and 1935 South Main St., Salt Lake City 15.

OLIN CONDUCTORS, METALS DIV. OLIN MATHIESON CHEMICAL CORP. (Formerly Southern Elec'l Co.), P. O. Box 989, Chattanooga, Tenn.—Roy E. Coulson, P. O. Box 9215, Phoenix; Hamilton Associates, 1236 Elati St., Denver 4; Garland Affolter Eng. Corp., 58 Sutter St., San Francisco 4, 2603 Western Ave., Seattle; 1233 12th Ave., N.W., Portland, and 417 S. Hill St., Los Angeles. (See ad, p. 11)

OLIVER ELECTRICAL MANUFACTURING CO., 170 Angell St., Battle Creek, Mich., and 1150 Wood St., California, Washington County, Pa.—Matzinger-Johnson, 1329 Willow St., Los Angeles 13; Shaffer and Nelson, 1940 Occidental Ave., Seattle, 1001 S.E. Water Ave., Portland, P. O. Box 198, Spokane 10, and 1415 S. Main St., Salt Lake City 15; Jack Pruzan Co., 1963 1st Ave. S., Seattle.

OLSEN TESTING MACHINE CO., TINIUS, 2100 Easton Rd., Willow Grove, Pa.—Pacific Scientific Co., 760 Harrison St., San Francisco. Branches in Seattle, Portland and Los Angeles.

OLYMPIC INSTRUMENTS INCORPORATED, Vashon, Wash.—Ernst F. Hauch, 735 Tehama, San Francisco 3; National Wire & Cable Corp., 136 San Fernando Rd., Los Angeles 31. (See ad, p. 94)

ORANGEBURG MFG. CO., Div., Flintoke Co., Orangeburg, N. Y.—Plant: 6756 Central Ave., Newark, Calif., J. M. Monahan, Dist. Mgr.; R. F. Ohlson, 101 Jones Bldg., Seattle; W. P. Paulson, 12332 Cinnabar Road, Santa Ana, Calif.; G. M. Moller, 2980 Ward Court, Lakewood, Colo. Distributed by Graybar Elec. Co., Inc., and General Electric Supply Co., all branches; Fred D. Benz, 520 4th St., San Francisco; Sheeter & Co., 2508 West 6th St., Los Angeles; Associated Electrical Agents, 1000 4th Ave. So., Seattle; Strong & Hemp, 110 Yuma, Denver, Colo. (See ad, p. 51)

ORCHARD INDUSTRIES, 1955 Thomas St., Hastings, Mich. — Best Lineman's Supply Corp., 541 First Ave. So., Seattle 4.

OSMOSE WOOD PRESERVING CO., 980 Elliott St., Buffalo, N. Y.—Dan Kamphaeusen Co., Continental Oil Bldg., Denver, Colo.

OSTER MFG. CO., JOHN, 5055 N. Lydell Ave., Milwaukee, Wis.—Branch Offices 333 9th St., San Francisco, and 1431 S. Los Angeles St., Los Angeles; Allen B. Carpenter, 1314 Wazee St., Denver; Robert W. Beckman, 12032 25th Ave., S.W., Seattle; Crouse Sales Co., 2125 Lanihuli Dr., Honolulu.

OWENS-CORNING FIBERGLAS CORP., Nicholas Bldg., Toledo, Ohio—Plant, 960 Kifer Road, Santa Clara, Calif.; Blackwood's, Inc., 3609 E. Olympic Blvd., Los Angeles 23; Electrical Specialty Co., 158 11th St., San Francisco 3; Insulation Supply, 779 E. Pico Blvd., Los Angeles 21; C. D. LaMoree Co., 2433 Birkdale, Los Angeles; Western Fibrous Glass Products Co., 3049 East 12th St., Los Angeles 23.

O. Z. ELECTRICAL MFG. CO., INC., 262 Bond St., Brooklyn, N. Y.—Branch Office: Stanley Bliss, 665 South Van Ness Ave., San Francisco 2; Agencies Co., 836 Traction Ave., Los Angeles; Wm. A. Proby Associates, 2915 13th S.W., Seattle, and 1308 N.W. Everett St., Portland; Everett T. Vonier, Inc., 201 Wyandot, Denver; Keith Lagerstrom, 1887 Harrison Ave., Salt Lake City. (See ad, p. 55)

PLM PRODUCTS INC., 3862 W. 150th St., Cleveland 11, Ohio—Sold through major cable companies. (See ad, p. 74)

PRD ELECTRONICS, INC., 202 Tillary St., Brooklyn 1, N. Y.—Branch: 1608 Centinela Ave., Inglewood, Calif.; J. K. Dooley Co., 3215 Western Ave., Seattle.

P-W INDUSTRIES, INC., 11200 Roosevelt Blvd., Philadelphia, Pa.—Oliver B. Lyman, 55 New Montgomery St., San Francisco; Technical Service Co., 419 Granite, N.W., Albuquerque; LZP Electronics, Inc., 601 S. Jason St., Denver 23; Electrical Sales Co., P. O. Box 49, Sugarhouse Sta., Salt Lake City; Calrepco, 1417 Georgia St., Los Angeles 15; Carlson Sales, Inc., 935 N.W. 12th St., Portland; 1201 Dexter Ave. No., Seattle 9, and 604 Utah Ave., Butte, Mont. (See ad, p. 54)

PACIFIC ASSOCIATED LIGHTING, The Ridgeway Co., Box 1989, San Diego, 1345 Daveric St., Pasadena 8, 31 W. Maryland St., Phoenix.

PACIFIC CAR & FOUNDRY CO., 4th and Factory, Renton, Wash.—Branch Offices: Seattle, Portland, and Newark, Calif.

PACIFIC CHROMALOX INC., 131 W. Rialto, San Bernardino, Calif.—Montgomery Brothers, Inc., in following cities: 1122 Howard St., San Francisco, 4800 District Blvd., Los Angeles, 1632 N. W. Johnson, Portland, 911 Western, Seattle; 5103 N. Hawthorne, Spokane, and 1331 T St., Sacramento, Calif.

PACIFIC COAST ENGINEERING, Oak and Clement Sts., Alameda, Calif.—Direct sales.

PACIFIC CONDUIT & CABLE (Formerly Saylor Elec. Products), 1725 Standard Ave., Glendale 1, Calif; Fred D. Benz Co., 520 4th St., San Francisco.

PACIFIC ELECTRICORD COMPANY, 747 W. Redondo Beach Blvd., Gardena, Calif.—Loren R. Butler, 4252 Lorabelle Ct., Palo Alto, Calif.; Norman J. Fuchs Co., 2814 No. 15th Ave., Phoenix; Scott & Bunker, 1863 Wazee, Denver; George E. Spencer, 1633 N. W. 21st St., Portland 9.

PACIFIC LIGHT METALS FOUNDRY, 4200 N. W. Yeon Ave., Portland, Ore.—Western Power Products, 2765 N. W. Nicolai, Portland.

PACIFIC OERLIKON CO., 3001 N. Starr St., Tacoma, Wash.—(See United Power Control Corp.)

PACIFIC PUMPS, INC., 5715 Bickett St., Huntington Park, Calif. — Branch: 417 Market St., San Francisco 5; Arthur Forsythe Co., 2800 15th Ave., West, Seattle 99; Lee Redman Equip. Co., 610 So. 19th Ave., Phoenix; G. M. Wallace & Co., Denham Bldg., Denver 2; E. S. Constant Co., 1814 S. E. Seventh St., Portland 14; Smith Machinery Co. Inc., 1116 Richards St., Salt Lake City.

PACIFIC SOUTHWEST PIPE CO., 6800 Avalon, Los Angeles 3, Calif. — Garrison Co., Builders' Exchange, 850 S. Van Ness, San Francisco 10.

PACIFIC UNION METAL CO., 2320 Dominquez St., Long Beach 1, Calif.; 1957 Chestnut St., San Francisco 3, Calif. (See Union Metal)

PACIFIC WESTERN EXTRUDED PRODUCTS, 9750 E. Firestone Blvd., Downey, Calif.—Maddox Sales Co., 914 East 3rd St., Los Angeles 13, 420 Market St., San Francisco, and 5709 N. 19th Place, Phoenix.

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Office and Warehouse
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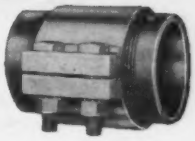
San Francisco 10, Calif.
GArfield 1-7846

CONDUIT FITTINGS

CABLE SUPPORTS CONDUIT TYPE

CABLE SUPPORTS SPLIT TYPE


SPLIT COUPLINGS

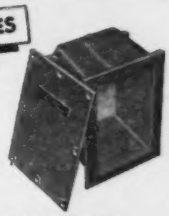
EXPANSION FITTINGS

INSULATED BUSHINGS

BAKELITE BUSHINGS

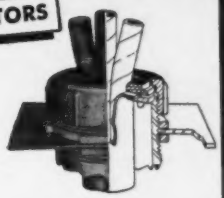
CAST IRON BOXES

EXPLOSION-PROOF TYPE

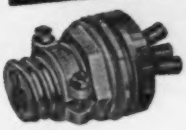

WEATHERTIGHT SUBMERSIBLE TYPE

CABLE TERMINATORS

TERMINATING POTHEADS


SEALING BUSHINGS

INTERLOCKED ARMOR CABLE FITTINGS


TERMINATORS

SPLICING FITTINGS

SOLDERLESS CONNECTORS

COMBINATION LUGS

COMBINATION TWO-WAY CONNECTORS

SERVICE TAP

COMBINATION TEE AND PARALLEL CONNECTORS

POWER CONNECTORS

T-CONNECTORS, TUBE TO MULTIPLE CABLE TYPE

BUS BAR CLAMPS

GROUND CONNECTORS

CABLE TO PIPE OR ROD 90° OR PARALLEL

CABLE TO FLAT BAR

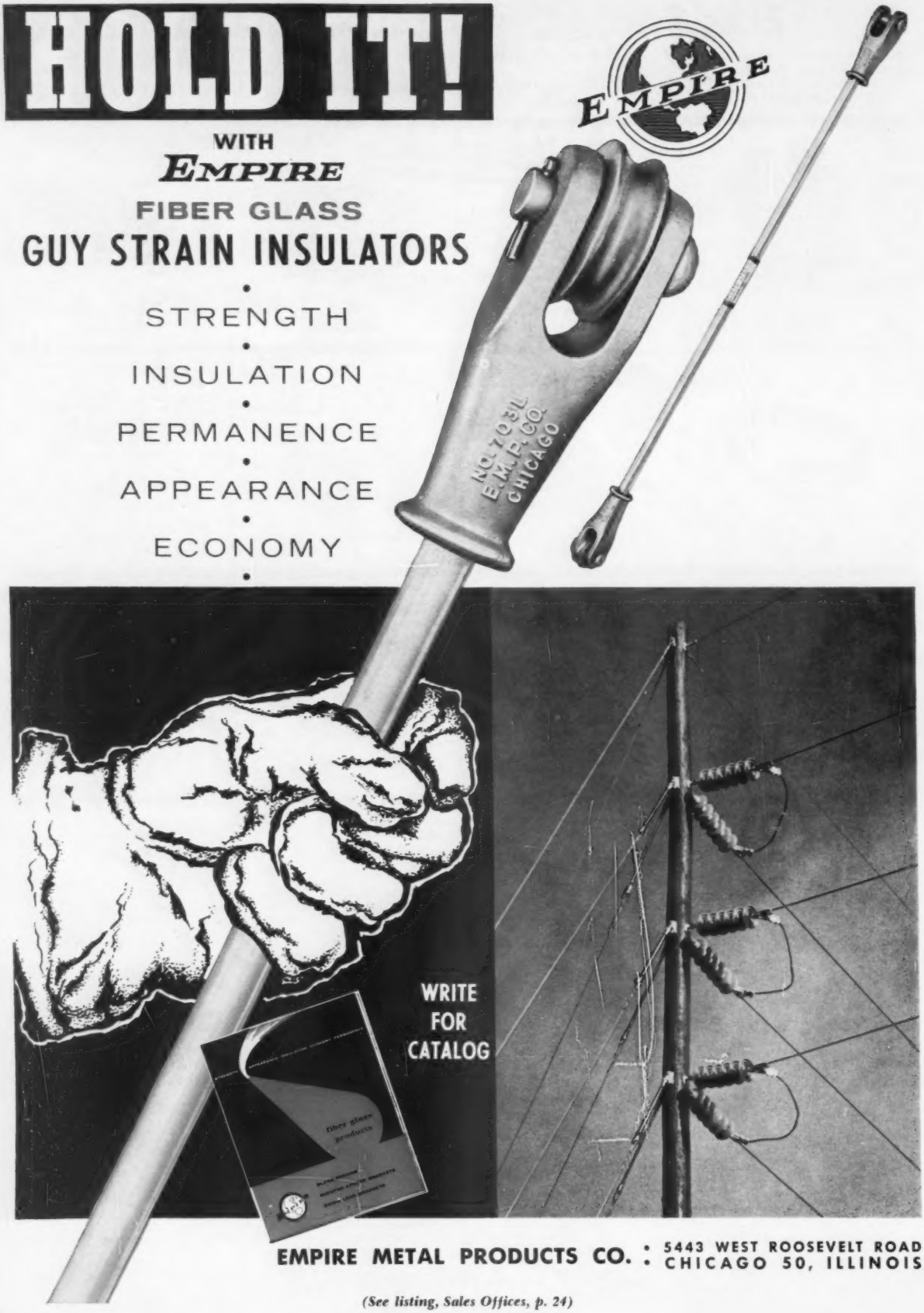
They're O. K. if They're O. Z.

(See listing, Sales Offices, page 54)

HOLD IT!

WITH
EMPIRE
FIBER GLASS
GUY STRAIN INSULATORS

• STRENGTH • INSULATION • PERMANENCE • APPEARANCE • ECONOMY •



EMPIRE METAL PRODUCTS CO. • 5443 WEST ROOSEVELT ROAD • CHICAGO 50, ILLINOIS

(See listing, Sales Offices, p. 24)

PALMER ELECTRIC MFG. CO., 11011 Palmer Ave., South Gate, Calif.

PALMER MFG. CORP., 2200 W. Fillmore, Phoenix, Ariz.—Joseph P. Wagner, 3315 No. 60th St., Phoenix, Ariz.; Ward Francis Co., 222 Terminal Sales Bldg., Seattle 1; Western Merchandise Mart, 1355 Market St., San Francisco 3, and 1533 Wilshire Blvd., Los Angeles 17; Alex Weitz, 17228 Hatteras St., Encino, Calif.

PALNUT COMPANY, Mountainside, N. J.—For Calif.: W. D. Howze & Co., 5603 N. Figueroa St., Los Angeles 42. Outside Calif. and N. M.: United-Carr Fastener Corp., 1709 W. 8th St., Los Angeles 17, and 2nd and Columbia, Seattle.

PAM CO. (Formerly Elwood H. Wiles Co.), 1951 N. W. Wilson, Portland Ore.—Municipal Supply Co., 955 Stuart, Seattle; Sherman Nabaum, 4777 South 13th, Salt Lake City; Hundley Co., 3282 Fletcher Dr., Los Angeles.

PANDUIT CORP., 17301 Ridgeland Ave., Tinley Park, Ill.—Walter Corman, 7432 W. 80th St., Los Angeles; E. H. Sosine, 3618 39th Ave. W., Seattle 99; E. F. Howe, 4328 N. 42nd Place, Phoenix; Newnan Rudat & Ewing, 915 Terminal Way, San Carlos, Calif.; Ray E. Cathey Co., 4950 E. Evans, Denver 22. Distributors: Phillips & Edwards, 265 Vermont St., San Francisco; California Wholesale Elec., 2548 Yates Ave., Los Angeles; Coast Electric, 744 G St., San Diego; North Coast Elec., 171 Jackson St., Seattle 4; Stubbs Elec. Co., 33 N. W. Park Ave., Portland 9; Ward Terry & Co., 70 Reio Grande Blvd., Denver 1; Standard Supply Co., 225 East 6th So., Salt Lake City; National Elec. Supply Co. Ltd., 611 Keeaumoku St., Honolulu 11.

PANELLIT, INC., DIV. ISI, INC., 7401 N. Hamlin Ave., Skokie, Ill.—M. D. Shriver Co., Inc., 3155 N. Rosemead, Rosemead, Calif., and 1485 Bayshore Blvd., San Francisco; Tower Equip. Co., P. O. Box 158, Mercer Island, Wash.; James B. Drummond Co., 1060 S. Cook St., Denver.

PANELYTE DIV. ST. REGIS PAPER CO. (See St. Regis)

PAR LIGHT MANUFACTURING CO., Milan, Ill.—Paul D. Jacobs, 420 Market St., San Francisco; Pacific Industries, 8255 Beverly Blvd., Los Angeles.

PARAGON ELECTRIC CO. INC., Sub. of American Machine & Foundry Co., 1600 12th St., Two Rivers, Wis. — Branch Office: 926 South Atlantic Blvd., Los Angeles; McCune-Western, Inc., 1160 Howard St., San Francisco 3; Roy J. O'Donnell Co., 2256 S. Delaware St., Denver 3; John B. Merifield Co., Inc., 909 Western Ave., Seattle 4; Alfred E. Linzer Co., 1507 Kapiolani Blvd., Honolulu 14, Hawaii. **(See ad, p. 57)**

PARAMOUNT INDUSTRIES, INC., G 1080 Ballenger Rd., Flint, Mich.—S. H. Babcock, 3573 Pierce St., San Francisco; E. J. Imhof, 3102 Silverwood Dr., Los Alamitos, Calif.; Gregg Cloos, 977 Jackson, Denver; John Allan Ware Assoc., 301 West G St., San Diego, and 1400 North 32nd St., Suite H, Phoenix; J. K. Johnston, P. O. Box 4274, Portland.

PARANITE WIRE & CABLE DIV., Essex Wire Corp. of Calif., 6415 Fleet St., Los Angeles; 274 Harbor Way, So. San Francisco; 3322 N. W. 35th Ave., Portland; 2208 White-Henry-Stuart Bldg., Seattle; 213 North First Ave., Phoenix, and 1075 Patt St., Anaheim, Calif.

PARKER ELECTRICAL MFG. CO., 221 Washington St., Oakland, Calif.—Sold Direct.

PARKER SEAL CO., 10567 Jefferson Blvd., Culver City, Calif.—Sold direct and through authorized distributors.

PARTLOW CORP., 2 Campion Road, New Hartford, N. Y.—Pacific Scientific Co. in following cities: 760 Harrison St., San Francisco; 6280 Chalet Dr., Bell Gardens, Calif.; 1950 5th Ave., Seattle; 1218 S.E. 7th Ave., Portland 14; Slaybaugh-Thompson Co., 100 W. 13th Ave., Denver.

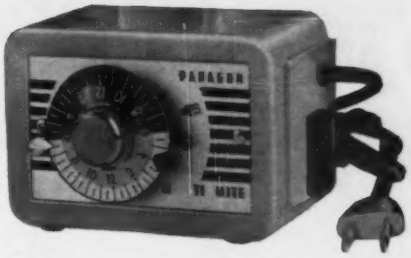
PARTRICK & WILKINS CO., 51 North 7th St., Philadelphia, Pa.— Rollins Electric, 804 So. Atlantic Blvd., Monterey Park, Calif.

PASS & SEYMOUR, INC., 50 Boyd Ave., Solvay, Syracuse, N. Y.—J. G. Pomeroy Co., 1004 East 4th St., Los Angeles 13; Kenneth Flinton, 275 Brannan St., San Francisco 7; Wm. Reeder, 1444 Oaklawn Rd., Arcadia, Calif.; R. T. Lewis & Co., 1301 Pierce St., Lakewood, Colo.; Shaffer & Nelson, 1001 S. E. Water, Portland 14; 312 Occidental Ave., Seattle 4; West 1835 Broadway, Spokane 17, and 1415 S. Main, Salt Lake City 15; Ralph B. Black, 721 Loma Vista Dr., N. E., Albuquerque; Matt Cabot & Assoc., P. O. Box 3708, Honolulu, Hawaii. **(See ad, p. 58)**

PAULDING, INC., JOHN I., New Bedford, Mass.—Branch Offices: 615 Second St., San Francisco; 1238 N. W. Glisan, Portland; 1855 Industrial St., Los Angeles.

PEER, INC., 1200 Milton St., Benton Harbor, Mich.—Hendrie & Bolthoff, 1635 17th St., Denver; Galigher Co., 545 W. 8th South St., Salt Lake City; O'Neill Machinery Co., 1011 Howell St., Seattle; Gibson Welding Supplies, E. 218 Trent Ave., Spokane; Hickinbotham Bros., Ltd., 536 S. Aurora St., Stockton, Calif.; Pacific Welding Alloys Mfg. Co., 310 N. Avenue 21, Los Angeles.

PEERLESS ELECTRIC CO., (see Porter, H. K., Co., Inc.).



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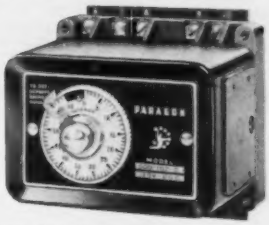

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PARAGON 7000 SERIES for automatic timing on a weekly schedule. A relay-designed 4-pole switch offering double-pole — double-throw action. One model can be used for all switching combinations.

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PELTON DIVISION, B. L. H. Corp., 2929 19th St., San Francisco, (See Baldwin Lima Hamilton).

PENETRAY CORP., 615 Front St., Toledo, Ohio—Branch Office: Fred Kieling, 1328 S. Santa Fe, Los Angeles; Vernal Bingham, 4315 E. 43rd St., Seattle; J. M. Gaisford, 3121 East 12th St., Los Angeles; Charles Gratiot, 1282 Folsom, San Francisco; Bailis & Doniphan, 806 W. 5th St., Denver. For Automotive Trade: Lawrence Shriver, 714 W. Olympic, Los Angeles. For Drug Trade: Tom Stanger Co., 2133 Bay St., Los Angeles, and Stone Hall Co., 3101 Walnut, Denver.

PENN CONTROLS, INC., Goshen, Ind.—Branch Offices: 2729 San Pablo Ave., Berkeley, Calif.; 2930 College St., Los Angeles; 617 Ravenna Blvd., Seattle. Agents: Edwin P. Cook, 845 Wyandot, Denver 2; Specialty Sales Co., 117 West Second So., Salt Lake City; Control & Equip. Co., 5106 Grand Ave. N.E., Albuquerque.

PENN ELECTRICAL CO., 54 Water St., Irwin, Pa.—Central Station Equip. Co., 2323 Aviation Highway, Tucson, Ariz.

PENNINGTON CROSSARM CO.—Maydwell & Hartzell, Inc., in following cities: 870 Tennessee St., San Francisco, 6400 Corvette St., Los Angeles, 206 W. Island Ave., San Diego, 120 S. 29th St., Phoenix, P. O. Box 415, Medford, 2318 N. W. Vaughn St., Portland, 1216 Poplar Place South, Seattle, 121 S. Monroe St., Spokane, 806 East 16th St., Tucson, 602 E. Arizona St., Butte, Mont.

PENNSYLVANIA TRANSFORMER DIVISION, McGraw-Edison Co., P. O. Box 330, Cannonsburg, Pa.—Carlson Sales, Inc., 1201 Dexter Ave. No., Seattle, and 935 Northwest 12th Ave., Portland; John G. Corrin, 415 So. June St., Los Angeles 5; Roy E. Coulson, P. O. Box 9215, Phoenix; George E. Honn Co., 560 Third St., San Francisco; Peterson Co., 4949 Colorado Blvd., Denver 16; Clarence W. Silver Co., 550 West 7th St., Salt Lake City 1, and 3724 Catalpa Drive, Boise; Monitor Distributors, 604 Utah Ave., Butte, Mont.; Williamson Sales Co., 1308 Manzano, N. E., and 620 Rankin Road, N. E., Albuquerque.

PENROSE, INC., Hearst Building, San Francisco.

PENN-UNION ELECTRIC CORP., 315 State St., Erie, Pa.—F. M. Nicholas Co., 72 Townsend St., San Francisco; Kenneth Anderson Co., 123 S. Myers St., Los Angeles, and 5815 North 10th St., Phoenix; Northwestern Agencies, 4130 First Avenue South, Seattle; John Elggren Co., 212 West 4th So., Salt Lake City; Jim Dawson Company, 2970 West Short Place, Denver; R. L. Brewer Co. Inc., 708 North Piedras St., El Paso, Tex.; Alfred E. Linzer Associates, 1507 Kapiolani Blvd., Honolulu, Hawaii. (See ad, p. 32)

PERENY EQUIPMENT CO., 893 Chambers Road, Columbus, Ohio—Carl Herrmann Associates, P. O. Box 1179, Palo Alto, Calif.; 551 E. Walnut, Pasadena, Calif., 319-2A San Francisco St., Santa Fe, N. M., and 6518 48th Ave., Seattle 15.

PERFECLITE CO., 1457 E. 40th St., Cleveland, Ohio—Jos. Pellicano & Assoc., 1226 S.W. Hume St., Portland, and 3020 East 92nd St., Seattle; Fred D. Benz Co., 520 - 4th St., San Francisco; Graybar Electric, Wesco, Gesco & Electric Corp., all principal cities.

PERFECT-LINE MFG. CORP., Old Country Rd., Hicksville, N. Y.—W. B. Imholt Co., 275 Brannan St., San Francisco; L. D. Hood 87 S. Kalamath St., Denver; Fred W. Stokes, 1901 W. 47th St., Seattle; Hayjax Co., 436 Colyton, Los Angeles 13.

PERFECTION DIVISION—HUPP CORP., 1135 Ivanhoe Road, Cleveland 10, Ohio—Branch Offices: 3373 Sierra Dr., Sacramento, Calif.; 3852 W. Greenwood Place, Denver 19. Distributors: Airco Supply, 111 Marble Ave. S. W., Albuquerque; Appliance Distributors, Phoenix and Tucson; Matheson Heating Supply, Pasco, Wash.; Perfection Distributors, Spokane; Soden Wholesale, Riverside, Calif.; Refrigeration & Power Spec., Stockton, San Francisco and Oakland; Active Refrigeration Supply, Sacramento; California Refrigeration, Fresno.

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PERMACEL, U.S. No. 1, New Brunswick, N. J.—Branch Offices: 4827 East 49th St., Los Angeles 58; 489 Sixth St. San Francisco 3, and 825 Stacy St., Seattle 8; C. D. LaMoree, 2433 Birkdale, Los Angeles, and 2221 Fourth St., Berkeley, Calif.

PERMATRON CORP., Arlington Heights, Ill.—Paul D. Jacobs, 420 Market St., San Francisco.

PERMUTIT CO., 50 West 44th St., New York City 36—Oliver B. Lyman Co., 55 New Montgomery St., San Francisco; Bumstead and Woolford, Fourth Ave. Bldg., Seattle, 421 S. W. 6th Ave., Portland 4, and 207 W. Hastings St., Vancouver, B. C. Branch Office: 302-B S. Brand St., Glendale, Calif., and 1485 Holland St., Denver.

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PFAFF & KENDALL, 84 Foundry St., Newark, N. J.—Forrest E. Pope, Western Sales Manager, 5016 Doyle Rd., San Jose 29, Calif.; Wrathall & Krusi, Inc., 681 Market St., San Francisco; C. A. Peterson Co., 5757 Huntington Dr. North, Los Angeles; Henry George Lehl, 14280 S. W. Uplands Dr., Oswego, Ore.; Douglas E. Bolton, P. O. Box 79, Sugarhouse Sta., Salt Lake City, Utah; Wm. Benndorf Co., 221 E. Camelback Road, Phoenix; John C. Henberger Co., 4434 Ingraham St., San Diego; Matt Cabot & Associates, P. O. Box 3708, Honolulu, Hawaii. (See ad, p. 59)

PHALO PLASTICS CORP., 530 Boston Turnpike, Shrewsbury, Mass.—Lebell Warren Associates, 1485 Bayshore Blvd., San Francisco; Shefler-Kahn Co., P. O. Box 1587, Phoenix; Bob Bray, 18 N. Mentor Ave., Pasadena, Calif.; Dale Weber Co., 8 S. E. Clay St., Portland; Applied Engineering, 405 Felt Bldg., Salt Lake City.

PHELPS DODGE COPPER PRODUCTS CORP., 300 Park Ave., New York City 22, N. Y.—Branch Offices; W. M. McKenney, Manager, 6100 Garfield Ave., Los Angeles 22; R. F. Aube, Mgr., 30 Ingold Road, Burlingame, Calif.; George A. O'Brien, Mgr., 808 106th Ave., N. E., Bellevue, Wash.; W. I. Bates, 179 Sand Island Rd., Honolulu, Hawaii. (See ads, pp. 44, 45)

PHILADELPHIA ELECTRICAL & MFG. CO., 1200-30 N. 31st St., Philadelphia, Pa.—Arthur & Allen, 420 Market St., San Francisco; Keeler-White Co., 615 7th St., San Francisco; 523 N. W. Everett St., Portland, and 1041 6th Ave. So., Seattle; Hayjax Co., 436 Colyton St., Los Angeles; L. M. Slusser, 318 Dooly Block, Salt Lake City; Hamilton Associates, 1236 Elati St., Denver; Barney Hartley Enterprises, P. O. Box 4381, Phoenix.

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PHILCO CORPORATION, C and Tioga Sts., Philadelphia 34, Pa.—Regional Offices: Paul E. Burks, West Area Sales Mgr., 908 Russ Bldg., San Francisco; 1435 S. La Cienega Blvd., Los Angeles 35; 1422 N. Hancock St., Colorado Springs, Colo.; 3875 Fabian Way, Palo Alto, Calif.

PHILLIPS CONTROLS CO., 59-T W. Washington St., Joliet, Ill.—Long & Associates, 505 Middlefield Rd., Redwood City, Calif.; William A. Gibson, 1304 Alexandra Dr., San Diego; Harry Levinson Co., 1211 E. Denny Way, Seattle 22; Ralph B. Black, 1025 Hermosa Dr., S. E., Albuquerque; Gramer & Co., 444 W. Camelback Rd., Phoenix 13.

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PHOENIX PRODUCTS CO., 4715 N. 27th St., Milwaukee 9—Connell Motor Truck Co., 20 N. Wilson Way, Stockton; Calif. Elec. Supply, Folsom & 12th, San Francisco; Phillips & Edwards, 265 Vermont St., San Francisco; California Wholesale Electric, 2548 Yates Ave., Los Angeles; Clyde Equipment Co., 1631 N. W. Thurman St., Portland 9; General Electric Supply Co., Boise, Ida.

PHOTOMATION, INC., 280 Polaris Ave., Mountain View, Calif. — Stillson Assoc., 35 Orinda Way, Orinda, Calif.; John Williams Co., 766 Dexter Horton Bldg., Seattle 4; Western Automation, Inc., 653 S. Melrose, Placentia, Calif.; LZP Electronics, Inc., 601 S. Jason St., Denver 23.

PHOTOSWITCH, Div. Electronics Corp. of America, One Memorial Drive, Cambridge, Mass.—Branch Office: 1485 Bayshore Blvd. ,San Francisco. Agents: Eicher & Co., Inc., 5 West Harrison St., Seattle; Hundley Co., 3282 Fletcher St., Los Angeles; Technical Service Co. Inc., 2430 E. Washington St., Phoenix; Phillips Edwards Elec. Corp., 265 Vermont St., San Francisco; Electric Equipment Co., Inc., 50 East Wasatch Ave., Salt Lake City; E. C. Call & Associates, 1290 Bayshore Blvd., Burlingame; Auto Control & Equip., 5750 Pecos St., Denver; Berkley Eng. & Equip., P. O. Box 3856, Honolulu, Hawaii.

PHOTOVOLT CORP., 1115 Broadway, New York City 10—Braun Corp., 1363 So. Bonnie Beach Pl., Los Angeles; Braun-Knecht-Heimann Corp., 1400 16th St., San Francisco; Scientific Supplies Co., 600 Spokane St., Seattle.

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(See listing, Sales Offices, page 58)

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POLES, INC., E. 706 Sprague Ave., Spokane, Wash., —John Eiggren, 212 W. Fourth, Salt Lake City; Hamilton Associates, 1236 Elati St., Denver.

POLE INSPECTORS & TREATERS, INC., Continental Oil Bldg., Denver, Colo.—Dan Kamphausen, Continental Oil Bldg., Denver; Paul Ousley, 10710 S. W. Elysium St., Portland; George Barrett, 4741 7th Ave., Sacramento, Calif.; F. Stogdill, 743 Lake Elmo Road, Billings, Mont.

POLE SPRAYERS, INC., 980 Ellicott St., Buffalo, N. Y. — Dan Kamphausen, Continental Oil Bldg., Denver.

POLLAK LUMINESCENT CORP., 1105 W. Lawrence Ave., Chicago 5, Ill.—Bruce-Emmett Co., 830 S. E. Alder St., Portland 14, and 1016 First Ave. South, Seattle 4.

POLYKEN SALES DIV., KENDALL CO., 309 W. Jackson Blvd., Chicago, Ill.—Branch Office: 7540 Orange Blossom Dr., San Jose, Calif. Warehouse: 1404 S. 7th St., San Jose, Calif.; C. T. MacTague, 147 N. Michigan Ave., Pasadena, Calif.; CFL Co., 1871 S. Broadway, Denver; The Darger Co., 211 South 2nd W. St., Salt Lake City; T. E. Delius Co., 318 Westlake Ave. N., Seattle 9; S. P. Black, 1049 Makaiwa St., Honolulu 16, Hawaii.

POLYMER CORP. OF PENNA., 2120 Fairmont Ave., Reading, Pa.—Branch Office: 3028 South Oak St., Santa Ana, Calif.; E. Jordan Brookes Co., 6601 Telegraph Rd., Los Angeles, 3564 30th St., San Diego, 571 Howard St., San Francisco; Plasticrafts, Inc., 2800 N. Speer Blvd., Denver, and 3710 Edith Blvd., N.E., Albuquerque; Allied Agencies, Inc., 650 Adams St., Seattle 3; Universal Plastics Co., 1105 Westlake Ave. N., Seattle 9, and 1222 N. E. Alberta St., Portland.

POLYTECHNIC RESEARCH & DEV. CO. INC., 212 Tillary St., Brooklyn, N. Y.—Branch: 2639 S. La Cienega St., Los Angeles.

POPE & TALBOT, INC., P. O. Box 186, St. Helens, Ore.; Matzinger-Johnson Co., 1329 Willow St., Los Angeles 13.

PORCELAIN INSULATOR CORP., 761 Main St., Lima, N. Y.—Now Joslyn Mfg. & Supply Co. Pinco Div.

PORCELAIN PRODUCTS CO., 225 North Patterson, Carey, Ohio—Allied Industries, 412 Seaton St., Los Angeles; George A. Gray Co., 2720 17th St., San Francisco Kenneth B. Schumann Co., 1073 Galapago St., Denver; Tal Agencies, Inc., 1043 6th Ave. South, Seattle 4; Keeler, White, Inc., 523 N. W. Everett St., Portland 9.

PORTA HOUSE, 6767 Broadway Terrace, Oakland, Calif.—8833 S. Alameda St., Los Angeles 2; Blystone Equipment Co., 2649 West 1st St., Santa Ana; Construction Supply Co., 8801 S. Alameda St., Los Angeles 2; Bardi, Inc., 8105 S. E. Duke, Portland; A & B Equipment, 91396 Papipi Road, Oahu, Hawaii.

PORTABLE ELECTRIC TOOLS, INC., 1200 East State St., Geneva, Ill.—Cohn & Shane, Inc., 1323 Venice Blvd., Los Angeles; Ralph L. Millie, P. O. Box 4718, Park Hill Sta., Denver; William J. McGee Co., 502-C Maritime Bldg., Seattle; Alaska Brokerage Co., P. O. Box 2187, Anchorage, Alaska.

PORTABLE LIGHT CO. INC., 65 Passaic Ave., Kearny, N. J.—Sold direct to utility companies and municipalities.

PORTER CABLE MACHINE CO., 700 Marcellus St., Syracuse, N. Y.—Branch Office: 1101 20th St., San Francisco 7 Calif.; 2400 S. Grand Ave., Los Angeles 7; 233 West Lake North, Seattle.

PORTER, H. K., COMPANY, INC., Porter Bldg., Pittsburgh 19, Pa. (See Delta-Star Electric Division, National Electric Division, Peerless Electric Division below)

Delta-Star Electric Division, Delta-Star Works, 2437 W. Fulton St., Chicago, Ill.; Lynchburg Works, Mayflower Dr., Lynchburg, Va.; Thomas Works, E. Washington St., Lisbon, Ohio; Hill Transformer Co. Inc., 1777 Industrial Way, Belmont, Calif. Branch Offices and Agents: Albuquerque, N. M., 1025 Hermosa Dr., S. E., Ralph B. Black, Mgr.; Denver 23, Colo., Electrical Agencies Co., 235 Wyandot St., James T. Wall, Mgr.; Los Angeles 54, Calif., P. O. Box 54128, Terminal Annex, G. A. Palka, Mgr.; Phoenix, Ariz., Daley Electric Sales Co., Inc., 1824 E. Jefferson St., J. R. Horton, Mgr.; Salt Lake City 10, Utah, Stevens Sales Co., 1476 Major St., P. O. Box 2328, Jack Lowder, Mgr.; San Francisco 5, Calif., 681 Market St., L. R. Fontaine, Mgr.; Seattle 1, Wash., 1904 Third Ave., R. E. Willis, Mgr.

National Electric Division, Porter Bldg., 601 Grant St., Pittsburgh 19, Pa.—Ambridge Works, 14th and Duss St., Ambridge, Pa.; Elizabeth Works, P. O. Box 511, Elizabeth, N. J. Sales Representatives in following cities: 6900 East Elm St., Los Angeles 22, Calif.; 400 Potrero Ave., San Francisco 10, Calif.; 455 W. Wesley Ave., Denver 23, Colo.; 19 W. South Temple, Salt Lake City, Utah; 906 First Ave. South, Seattle 4.

Peerless Electric Division, 1401 W. Market St., Warren, Ohio—Norman S. Wright & Co. in following cities: 1361 Abby St., Fresno 3; 625 N. Alvarado St., Los Angeles 26; 724 24th St., Sacramento 16; 1015 Folsom St., San Francisco 3; 3668 Albion Place, Seattle 9; 33607 S. W. Corbett St., Portland 1; So. 125 Stevens Spokane 4; and 2641 E. Adams St., Phoenix; McCombs Supply Co., 1819 Wazee St., Denver 17; Thermal Engineering Co., 1492 Major, Salt Lake City; W. M. Carroll & Co., 231 Sierra, S. E., Albuquerque, N. M.; Richardson Equipment Co., 612 Front St., Boise, Ida.

POST-GLOVER ELECTRIC CO., Box 709, Covington, Ky.—K. M. Ryals Co., 9 First St., San Francisco 5; John Hyatt Co., P. O. Box 22105, Los Angeles 22, Calif.

POTTER & BRUMFIELD, INC., Princeton, Indiana—C. E. Ault Associates, 120 Santa Margarita Ave., Menlo Park, Calif.; Fred H. Haight, 3212 Eastlake Ave., Seattle 2.; R. G. Bowen Co., 721 S. Broadway, Denver; 463 East 3rd St., Salt Lake City; and 2628 San Mateo Blvd., N. E., Albuquerque; Len Bar Co. Electronics, 5217 Arbor Rd., Long Beach 8, Calif.

POTTER INSTRUMENT CO. INC., Sunnyside Blvd., Plainview, N. Y.—H. W. Ruby & Assoc., P. O. Box 63, LaCanada, Calif.; N. R. Schultz Co., 4227 Airport Way, Seattle; Kelley Enterprises, 336 East 4th St., Loveland, Colo.

POWDER POWER TOOL CORP., 1919 S. E. 31st Ave., Portland.

POWERCRAFT CORP., 2215 DeKalb, St. Louis, Mo. —Page E. Golsan, 1421 S. Flower, Los Angeles 15; L. W. Danilson, 309 S.W. 3rd, Portland 4.

POWERDYNE, INC., 17150 S. W. Boones-Ferry Rd., Oswego, Ore.—H. G. Lehl, 14280 S. W. Uplands Dr., Oswego, Ore.; Wrathall & Krusi, Inc., 681 Market St., San Francisco; Matzinger-Johnson Co., 1329 Willow St., Los Angeles; Associated Engineers, P. O. Box 5384, El Paso, Tex.; John E. Eiggren, 212 West 4th South, Salt Lake City.

POWERLAND—Western Power Products, Inc., 2765 N. W. Nicolai, Portland 10.

POWER-STRUT DIV., VAN HUFFEL PRODUCTS, INC., Warren, Ohio—Squires Associates, 370 Fourth St., San Francisco; The Barker Co., 421 Santa Fe Dr., Denver; Construction Materials Co., P. O. Box 198, Butte, Mont..; J. W. Reynolds Co., 375 Andrew Ave., Salt Lake City 15; Lila Robin, Inc., P. O. Box 3744, Seattle 24; Payne & Sloan, Inc., 1101 East 5th St., Los Angeles 13.

POWERTRON ULTRASONICS CORP., Expressway Industrial Park, Plainview, Long Island, N. Y.—Branch: 3277 Wilshire Blvd., Los Angeles, Calif.

PRATT COMPANY, HENRY, 319 W. Van Buren St., Chicago, Ill.—The Burbans-Sharpe Co., 625 South Alaska St., Seattle 8, and 906 Weatherly Bldg., Portland 14; M. L. Chase Co., 603 East 5th Ave., Anchorage, Alaska; Cooper Engineering Co., 1639 Russ Bldg., San Francisco 4; Industrial Materials Inc., 2855 Walnut St., Denver; McCaffrey-Way Materials & Supply Co. Inc., 2107 Menaul Blvd., N. E., Albuquerque; Waterworks Equipment Co., 502 West Third St., South, Salt Lake City 10; Grace Brothers, Ltd., 2312 Kamehameha Highway, Honolulu 17, Hawaii.

PRAT-DANIEL (see Aero-Tec).

PRECISION MULTIPLE CONTROLS, INC., 233 Chestnut St., Ridgewood, N. J.—Wrathall & Krusi, Inc., 681 Market St., San Francisco; Industrial Engineering & Equip. Corp., 2975 Wilshire Blvd., Los Angeles; Shaffer & Nelson, Inc., 1940 Occidental Ave., Seattle 4, West 1835 Broadway, Spokane 10, 1001 S. E. Water Ave., Portland 14, and 1415 South Main St., Salt Lake City; The Jim Dawson Co., 2970 West Short Place, Denver 4; John P. Bagoy & Associates, Box 1005, Anchorage, Alaska. (See ad, 2nd Cover)

PRECISION PRODUCTS & CONTROLS, INC. (formerly Counter & Control), 6116 East 15th, Tulsa 12, Okla.—R. B. Clapp Co. Inc., 5404 Alhambra Ave., Los Angeles 32; Harry Gee Associates, 14474 Dickens St., Sherman Oaks, Calif.; James C. Hale & Co., 282 Seventh St., San Francisco; The James L. Kearns Co. Inc., 6055 N. E. Glisan St., Portland.

PRECISION TRANSFORMER CO., 2218 W. Lake St., Chicago, Ill.—Garnett-Young & Co., 390 Fourth St., San Francisco, 1928 First Ave. S. Seattle, 1238 N. W. Glisan St., Portland, 1400 No. 32nd St., Phoenix, 3775 Broadway So., Los Angeles; R. F. Florance, 2052 Humboldt St., Denver; T. R. Van Wagoner, 1415 S. Main St., Salt Lake City.

PRE-FAB HEATER DIV. (See Flexible Molded Heater)

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PREMAX PRODUCTS, Div. Chisholm-Ryder Co., Inc., Highland & College Ave., Niagara Falls, N. Y.—Best Linemen's Supply Corp., 543 1st Ave., So., Seattle; Gordon G. Moss, Box 428, Greeley, Colo., and Box 8022, Foothills Sta., Salt Lake City; C. B. Anderson Elec., 6078 East 13th St., Tulsa, Okla., for New Mexico; Linemen's Supply Corp. of Calif., 2704 S. Hill St., Los Angeles 7; Linemen's Supply Co. of Calif., 70 Townsend St., San Francisco 7.

PRESCOLITE MFG. CORP., 1251 Doolittle Dr., San Leandro, Calif.—A. L. Perdue, 4305 Ravenwood Ave., Sacramento; John Allen Ware & Associates, 301 West G St., San Diego, and 1400 N. 32nd St., Phoenix; Donald S. Gleason & Associates, 47th and University Way, Wilsonian Apt., Seattle, and 628 North Russett St., Portland; Donald Congdon, 8150 Sunset Dr., Lakewood, Colo.; Alfred E. Linzer Co., 1507 Kapiolani Blvd., Honolulu, Hawaii; J. R. Christensen, 249 East 5th So., Salt Lake City.

PRESTIGE LIGHTING CO., 307 Main St., Seattle, Wash.—Guy deLeuze Co., 1923 Bryant St., San Francisco.

PREST-O-LITE BATTERY CO., Division of Electric Auto-Lite Co., P. O. Box 6126 Elmhurst Sta., Oakland 3, Calif.

PRINGLE ELECTRICAL MFG. CO., 1900 N. 6th St., Philadelphia, Pa. — Oliver B. Lyman, 55 New Montgomery St., San Francisco 5; Calhoun & Poxon Co., 5429 Alhambra Ave., Los Angeles 32; Colorado Western Sales, P. O. Box 4133, So. Denver Sta., Denver 9; J. C. McDougall Co., 520 First Ave. S., Seattle 4.

PRITCHARD, J. F., & COMPANY, 4625 Roanoke Parkway, Kansas City, Mo.—R. R. Derber Co., P. O. Box 266, South Gate, Calif.; Cone & Wallace Co., 1325 S. 26th St., Phoenix; F. K. Donnelly Co., 9031 S. E. 59th St., Mercer Island, Wash.; Floyd E. Welch & Assoc., 55 New Montgomery St., San Francisco 5; E. N. Murray Co., 240 Denver Club Bldg., Denver; Brod & McClung, 9800 S. E. McBrod Ave., Portland; Smith Machinery Co. Inc., P. O. Box 2457, Salt Lake City.

PRODELIN, INC., 307 Bergen Ave., Kearney, N. J.—Maydwell & Hartzell, Inc., 870 Tennessee St., San Francisco 3; 6400 Corvette St., Los Angeles; 2318 N. W. Vaughn St., Portland; 1216 Poplar Place S., Seattle; 121 S. Monroe St., Spokane; 120 S. 29th St., Phoenix; P. O. Box 415, Medford; 806 E. 16th St., Tucson, and 602 S. Arizona St., Butte, Mont.

PRODUCTO ELECTRIC CORP., 932 Rogers Place, New York City 59—Suchman Associates, 837 East 4th Place, Los Angeles 13.

PRODUCTS ENGRG. CO., 2217 N. 31st St., Milwaukee, Wis.—sales through distributors and representatives.

PROJECT FIXTURE MFG. CORP., 10 Ranick Dr., South, Amityville, N. Y.—Guy deLeuze Co., 1923 Bryant St., San Francisco; Bach Associates, 191 Oneida St., Denver; Herbert Leib, P. O. Box 46-403, Los Angeles; Neil Winikoff Co., 2700 Beacon Ave., Seattle 44.

PROTECTOWIRE CO., Washington St., Hanover, Mass.—Branch Offices: Protectowire Pacific Co., Hampton Bldg., Longview, Wash.; 581 Monument Blvd., Concord Calif.

PRUDENTIAL FLUORESCENT MFG. CORP., 1000 Towne Ave., Los Angeles 21, Calif.—The Baxter Co., 101 Kansas St., San Francisco.

PRYNE & CO., INC., 206 N. Towne Ave., Pomona, Calif. (See Emerson-Pryne)

PULLMAN VACUUM CLEANER CORP., 25 Buick St., Boston 15, Mass.—Wilwite Associates, 291 Fourth St., Oakland, Calif., and 1320 Santa Fe Ave., Los Angeles.

PURE CARBON CO., 445 Hall Ave., St. Marys, Pa.—C. B. Gratiot, 1282 Folsom St., San Francisco, and R. F. Gratiot, 1261 S. Glendale Ave., Glendale 5, Calif.; C. M. Coffinberry, 2377 Galbreth Rd., Pasadena, Calif.; Northwest Sales, San Francisco, Calif., and Seattle, Wash.

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STEP 2. After aging and when the first signs of failure of the galvanizing appear, touch up these weak areas. This prevents rust, saves future cleaning costs, and postpones a full paint job for an additional 3 to 5 years.

SUBALOX #508 PAINT is made especially for this purpose. It is easily applied, extremely durable and rust inhibitive and matches the appearance of the weathered galvanizing.

STEP 3. Later, when the galvanizing darkens and shows signs of general failure, the original investment for galvanize can be maintained by a single coat of any variety of SUBOX or SUBALOX PAINT. This not only will protect exposed steel but will adhere well to the remaining zinc, preserving it too, and thus extending its anodic protective life. Repeated coats at 8 to 10 year intervals continue this protection indefinitely.

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PYLE NATIONAL CO., 1334 N. Kostner Ave., Chicago 51, Ill.—Branch Offices: 242 S. Anderson St., Los Angeles, 1138 Poplar Place, Seattle 44, 5711 E. Vernon Ave., Long Beach 15, and 1417 Market St., San Francisco. Rep.: Robert Emich, 801 West 5th Ave., Denver; Ralph Black, 1025 Hermosa Dr. S. E., Albuquerque.

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PYROMETER INSTRUMENT CO., INC., 92 Portland Ave., Bergenfield, N. J.—L. H. Freeman Co., 4063 Radford Ave., Studio City (Los Angeles), Calif.; Claud B. Smith Co., 844 East 12th, Oakland; Instrimentation & Eng. Sales, 1331 3rd Ave. Bldg., Seattle; Berkley Eng. & Equip., P. O. Box 3856, Honolulu 12, Hawaii.

QUADRANGLE MFG. CO., 32 So. Peoria St., Chicago 7, Ill.—Keeler, White Co., 615 7th St., San Francisco 3; F. J. Airey Co., 2324 E. Hunter St., Los Angeles; Wm. O. Proby & Assoc., Inc., 2915 13th Ave., S. W., Seattle 4, and 1308 N. W. Everett, Portland; McGillan Sales Agency, P. O. Box 4013, Albuquerque; Don Congden Co., 8150 Sunset Dr., Lakewood, Colo.

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QUIGLEY MACHINE PRODUCTS, 30966 Grand River Ave., Farmington, Mich.—Matzinger-Johnson Co., 1329 Willow St., Los Angeles.

R T & E CORP., 1900 E. North St., Waukesha, Wis.—Branch Plant: H. A. Dunn, Pacific Coast Sales Manager, 12600 S. W. Hwy. 217, P. O. Box 6387, Portland 23, 325 Ohio Avenue, Richmond, Calif.; H. L. Mooney, 2675 Hillcrest, Medford, Ore.; Walter Lassen, 1007 N. 30th St., Billings, Mont.; D. B. Cole, 1215 Flintridge Ave., Pasadena, Calif.; K. H. DuBois, 16619 S. E. 12th, Bellevue, Wash.; R. E. McLain, 8755 S. W. Rambler Lane, Portland; J. P. Bagoy, 611 11th Ave., Anchorage, Alaska.

RAB ELECTRIC MFG. CO., 605 E. 132nd St., New Work City—Ed B. Schack, 2213 First Ave., Seattle; Keeler, White Co., 615 7th St., San Francisco.

RACON ELECTRIC CO., INC., 1261 Broadway, New York City 1—Wm. H. and Don C. Wallace, 1206 Maple Ave., Los Angeles 15; Verne Linsley Co., 2902 W. Villa St., Phoenix 9; Dale G. Weber Co., 8 S. E. Clay St., Portland 14; Bernard L. Cahn Co., 420 Market St., San Francisco 11.

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RADIO CORPORATION OF AMERICA, Camden, N. J.—For Mobile and Microwave Equipment: Branch Office: 1560 N. Vine St., Hollywood 28, Calif.; 420 Taylor St., San Francisco; Norman Rupp Co., 0112 S. W. Pennoyer St., Portland.

RADIO CORP. OF AMERICA, Data Systems Div., Van Nuys, Calif.

RADIO CRAFTSMEN, INC., 4223 W. Jefferson Blvd., Los Angeles, Calif.—Lee J. Goodman & Associates, 1623 So. LaCienega, Los Angeles; Conklin-Tamberg, 1355 Market St., San Francisco; Nystrom Bros., 2426 4th Ave., San Diego; Arizona Wholesale Supply, 1333 N. 21st Ave., Phoenix.

RADIO FREQUENCY LABORATORIES, INC., Test & Service Products Div., Powerville Road, Boonton, N. J.—Electronic Communication Sales, 3619 S. W. 50th Ave., Portland; Luscombe Eng. Co., 1020 S. Arroyo-Parkway, Pasadena, Calif.

RADIX WIRE CO., 26260 Lakeland Blvd., Cleveland, Ohio—Brill Electric Sales, 123 Kansas St., San Francisco 3; Bruce-Emmett Co., 830 S. E. Alder St., Portland, 1016 First Ave., So., Seattle, and 12103 E. Boone St., Spokane; Kobert & Co., 329 Winston St., Los Angeles; E. D. Maupin & Associates, 4020 Avalon Blvd., Los Angeles.

RALCO MFG. CO., 123 N. Albany Ave., Chicago, Ill.—George E. Honn Co., 560 3rd St., San Francisco; Agencies Co., 836 Traction Ave., Los Angeles; Associated Elec'l Agents, 1003 S. E. Grant St., Portland 14, and 1000 4th Ave. South, Seattle 4; Strong & Humphrey, 110 Yuma St., Denver.

RAMBUSCH DECORATING CO., 40 W. 13th St., New York 11, N. Y.—Brundage Lighting Associates, 821 Howard St., San Francisco; Matt Cabot & Associates, P. O. Box 3708, Honolulu, Hawaii.

RAMCO ENG. & MFG. CO., 5413 N. E. Columbia Blvd., Portland 18, Ore.; Carl Edstrom, 100 Roy St., Seattle; Hill & Deitrick, P. O. Box 627, Oakland 4; Now-West Mobile Home Supplier, 2717 Fletcher Ave., Boise, Ida.; H. F. Loomis Co., 1306 Eagle Vista Dr., Los Angeles 41.

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RANCO, INC., 601 West 5th Ave., Columbus, Ohio—Franklin G. Slagel, 3520 Council St., Los Angeles.

RANSOME TORCH & BURNER CO., 4030 Hollis St., Emeryville, Calif.—Meeder Equip. Co., 1745 N. Eastern Ave., Los Angeles.

RATTAN MFG. CO., 10 Wall St., New Haven 7, Conn.—Manufacturing Equip. Co., 1413 East 20th St., Los Angeles; Baxter Co., 101 Kansas St., San Francisco; Ed R. Schack, 2216 First Ave., Seattle; Abbott Sales Co., P. O. Box 13117, Phoenix.

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RAY-O-VAC CO., 212 E. Washington Ave., Madison, Wis.—Regional Office: 111 Sutter St., San Francisco.

RAYTHEON CO., 225 Crescent St., Waltham, Mass.—Branch Offices: 225 No. Van Ness Ave., Hawthorne, Calif. (Los Angeles area); 486 El Camino Real, Redwood City, Calif. (San Francisco area).

REA MAGNET WIRE CO., INC., 3610 E. Pontiac St., Fort Wayne, Ind.—Branch Office: 3136 East 11th St., Los Angeles 23.

READ STANDARD DIVISION, 901 South Richland, York, Pa.—Robert M. Langmack Co., 406 Paseo de la Playa, Redondo Beach, Calif.; W. R. Hendrey Co., Smith Tower, Seattle.

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REGAL MFG. CO., 84 Fulton Ave., Pasadena, Calif.—Agencies Co., 836 Traction Ave., Los Angeles 13.

RELIABLE ELECTRIC CO., 11333 W. Addison, Franklin Park, Ill.—H. C. Mitchell, 1235 Westgate, Los Angeles, Calif.; D. W. Miksch, 5850 57th N. E., Seattle; D. B. Evans, 653 Wildwood Lane, Palo Alto, Calif. Sold through Graybar Electric Co., Inc., all principal cities. Joslyn Pacific Co., Los Angeles, San Francisco, Portland, Seattle and Salt Lake City.

RELIANCE ELECTRIC & ENGINEERING CO., 24701 Euclid Ave., Cleveland, Ohio—Branch Offices: 1525 Adrian Ave., Burlingame, Calif.; 2557 Yates Ave., Los Angeles. Agents: Shaffer & Nelson Co., 139 S. E. Taylor St., Portland; 312 Occidental Ave. Seattle, and P. O. Box 198, Spokane; C. W. Silver Co., 550 W. 7th South St., Salt Lake City; Boyd Industrial Eng. Co., 112 W. Granite St., Albuquerque; Peterson Co., 4949 Colorado Blvd., Denver; H & B Sales Co., P. O. Box 789, Phoenix. Distributor: Calif. Wholesale Elec. Co., 2548 Yates Ave., Los Angeles 22.

RELIANCE GAUGE COLUMN CO., 5902 Carnegie Ave., Cleveland, Ohio—John Morley Co., 1001 Tennessee St., San Francisco; Charles P. Crowley Co., 5430 Jillson St. Los Angeles; Fairman B Lee Co., 241 Central Bldg., Seattle; Pace-Turpin Co., 726 South Third St. W., Salt Lake City; Joy & Cox, Inc., 2124 Broadway, Denver.

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RELTON CORPORATION, 99 N. Lotus Ave., Pasadena, Calif.—Allied Masonry Anchors, Inc., 5402 Alhambra Ave., Los Angeles; Noble Sales, 1530 Howard St., San Francisco.

REPUBLIC CREOSOTING CO., 1615 Merchants Bank Bldg., Indianapolis, Ind.—B. L. George, 1101 Arch Bldg., Los Angeles; L. B. Tollefson, 7841 Lake Washington Blvd., Renton, Wash.; R. K. Nelson, Box 286, Provo, Utah.

REPUBLIC STEEL CORP., Steel & Tubes Div., 224 East 131st St., Cleveland, Ohio—Branch Offices: 5424 E. Slauson Ave., Los Angeles 22, and 225 Rialto Bldg., San Francisco 5. Agents: J. C. Shaffer, 1001 S. E. Water, Portland 14; E. H. Nelson, 1940 Occidental Ave., Seattle 4; Shaffer and Nelson, W. 1835 Broadway, Spokane 10.

REULAND ELECTRIC CO., 3001 W. Mission Rd., Alhambra—Branch: 1240 E. 12th St., Oakland; J. A. Tudor & Associates, 2605 Western Ave., Seattle, and 1004 S. E. Belmont Ave., Portland; Kern Electric Distributors, 415 30th St., Bakersfield; Capt. H. S. Walling, 1015 W. Alamos Ave., Fresno; Air-Draulics Co., 3135 N. 29th Ave., Phoenix; James Wright, Jr., Indio, Calif.; Mid-Continent Eng. Co., 3262 Wolff St., Denver.

REVCO, INC., Deerfield, Mich.—T. Fred Rhoy, 2015 East 12th, Oakland, Calif.; B. O. Blaine, 2415 S. W. 146th, Seattle 66.

REVCO INCORPORATED, 1900 Lyndale Ave. So., Minneapolis 5, Minn.—R. Meussdorffer Associates, 3487 Cahuenga Blvd., Los Angeles 28; Wm. Citrin, 1435 N. Blackstone Ave., Fresno, Calif.; Hubert Kaub & Co., 1025 Santa Fe Dr., Denver 4.

REVERE COPPER & BRASS, INC., 230 Park Ave., New York City—Branch Offices: W. E. Kalb, Dist. Mgr., World Trade Center, San Francisco; W. H. Hitchcock, Vice-Pres. Pac. Coast Division, 6500 E. Slauson Ave., Los Angeles; James T. Steele, Jr., Dist. Mgr., 314 Fairview Ave. North, Seattle.

REVERE CORP. OF AMERICA, North Colony Rd., Wallingford, Conn.—Branch Offices: Los Angeles and Seattle; Dick Clark, 1280 Bay Laurel Dr., Menlo Park, Calif.

REVERE ELECTRIC MFG. CO., 7420 Lehigh Ave., Chicago, Ill.—L. S. Reed & Co., 1018 Lawrence St., Denver 4; John E. Maddox, 914 East 3rd St., Los Angeles, and 5709 No. 19th Place, Phoenix; David Merrill, 192 North First East, Farmington, Utah; A. G. Miller Associates, 2316 6th Ave., Seattle 1; George T. Jacobs, 4140 E. Burnside, Portland 14; Gordon W. Laursen & Son, 1116 Dartmouth, N. E., Albuquerque; John P. Bagoy, P. O. Box 1005, Anchorage, Alaska, and Hugh L. Bargion, P. O. Box 3679, Honolulu, Hawaii.

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REYNOLDS METALS CO., Richmond, Va.—Branch Offices: 3201 3rd St., San Francisco; 3450 Wilshire Blvd., Los Angeles 5; 307 Broad St., Seattle; Troutdale, Ore.; Dixon Bldg., Salt Lake City 6; 3321-A E. Mayfair Blvd., Fresno, Calif.; 3443 Fifth Ave., San Diego 3; 3500 West Van Buren St., Phoenix; Pacific Utilities Supply Co., 141 King St., San Francisco.

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RHODES & SON CO., M. M., 12 Porter St., Taunton, Mass.—Graybar Electric Co., San Francisco, Seattle and Spokane; H. H. Van Luven, 120 S. Hewitt, Los Angeles, and Morse Signal Devices, 8124 Melrose Ave., Los Angeles; Kellogg Switchboard Co., 1663 Mission St., San Francisco.

RICHARDS CO., J. R., Arch St., Carnegie, Pa.—Kobert & Co., 329-331 Winston St., Los Angeles 13.

RICHARDSON-ALLEN CORP., 116-15 Fifteenth Ave., College Point, N. Y.—Carlson Sales, Inc., 1201 Dexter, Seattle, and 935 N. W. 12th Ave., Portland; Fred G. Guthrie, 420 Market St., San Francisco; Randolph Engineering Corp., 12202 E. Garvey Ave., El Monte, Calif.

RIDGE TOOL CO., 400 Clark St., Elyria, Ohio—Seth W. Smith, 6858 Kester Ave., Van Nuys, Calif.; O. E. Perry, 4216 East 72nd St., Seattle 15; David C. Friend, 816 Alta Vista Dr., Linda Mar, Pacifica, Calif.

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RIMBACH MFG. CO., 408 N. Fair Oaks, Pasadena, Calif.

RIPLEY CO., INC., 1 Factory St., Middletown, Conn. —Hendrie & Bolthoff Co., 1635 17th St., Denver 17; Lester Johnson, 1544 Laird St., Salt Lake City; Wm. J. Cottrell & Assoc., 4000 S. W. Macadam Ave., Portland; John Ormond Co., 600 16th St., Oakland, Calif.; A. W. Nash, 2112 So. Atlantic Bldg., Los Angeles 22; Graybar Electric Co. at all

RITTENHOUSE CO., INC., East St., Honcoye Falls, N. Y.—Geer Sales, 1625 West 12th Ave., Denver 11; Pryne-Ritterhouse Sales Corp., 2808 S. Vail Ave., Los Angeles, and 1315 Howard St., San Francisco; W. H. Cress Co., 201 Concord Bldg., Portland 4; Norwest Co., 210 No. 36th St., Seattle 3.

ROANWELL CORP., 180 Varick St., New York City, N. Y.—Samuell Jewett, 13111 Ventura Blvd., North Hollywood, Calif., and P. O. Box 172, Scottsdale, Ariz.

ROBBINS & MYERS, INC., 1345 Lagonda Ave. Springfield, Ohio—FAN Div.—Gordon Wood, 1859 Industrial St., Los Angeles, and 155 Jackson St. Denver; PROPELLAIR Div.: Harry F. Haldeman Inc., 2401 S. Hill St., Los Angeles; C. W. Boswell 1139 Mission St., San Francisco; C. L. Koerner 12200 S. E. Oatfield Rd. Portland, and Modern Equipment Co., 52 W. 2nd South St., Salt Lake City; Materials Handling Equip., 1795 Sheridan Blvd., Denver 14; MOTORS: 3487 Cahuenga Blvd., Los Angeles; 1139 Mission St., San Francisco; 1732 Blake St., Denver 2; HOIST & CRANE 329 Second Ave. West, Seattle 99; 2310 N. Alameda, Compton, Calif.; 1795 Sheridan Blvd., Denver 2; PUMPS: Star Machinery Co., 241 Lander St., Seattle; Brod & McClung, 9800 S. E. McBroc Ave., Portland 22; Fernholtz Machinery Co., 8468 Melrose Pl., Los Angeles 46; C. W. Boswell 1139 Mission St., San Francisco 3; Modern Equipmen Co., 52 W. 2nd S. St., Salt Lake City 1; Materia Handling Equip. Co., 1795 Sheridan Blvd., Denver

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ROBERTSON TRANSFORMER CO., 136th and Thornton Sts., Blue Island, Ill.—Ray J. Noel Co. Inc., 4315 S. Western Ave., Los Angeles 62.

ROCKBESTOS WIRE & CABLE CO., Division of Cerro de Pasco Corp., Nicoll and Cramer Sts., New Haven, Conn.—Branch Offices: H. G. Jones, 1807 E. Olympic Blvd., Los Angeles 21; F. J. Balzer, 235 E. Third Ave., San Mateo, Calif.

ROCKWELL MFG. CO., 400 N. Lexington Ave., Pittsburgh 8, Pa.—Branch Offices: 525 Market St. San Francisco; Tower Bldg., 1700 Broadway, Denver; 3136 E. 11th St., Los Angeles; 119 W. Denny Way, Seattle. Factory: Highway 65 and Pioneer Ave., Porterville, Calif.

RODALE MFG. CO., INC., Emmaus, Pa.—Branch Office: 338 East Second St., Los Angeles; K. B. Schumann Co., 1073 Galapago St., Denver; Walter Rubin, 6452 Penfield Ave., Woodland Hills, Calif. Fred Stokes, 11509 Second Ave. N. W., Seattle.

RODEFER GLEASON GLASS CO., 21st and Union Sts., Bellaire, Ohio—R. E. Baum, 681 Market, San Francisco; Maddox Sales Co., 914 E. Third St. Los Angeles.

ROGERS CORPORATION, Rogers, Conn.—Electrical Specialty Co., in following cities: 2820 E. 12th St., Los Angeles; 158 11th St., San Francisco; 2026 Arapahoe St., Denver; 2406 1st Ave. So. Seattle; 210 W. Adams St., Phoenix; 2588 Simpson Ave., Salt Lake City, and Portland, Ore.

ROLATAPE, INC., 1741 14th St., Santa Monica, Calif. —Stuart G. Bowren, 8255 Beverly Blvd., Los Angeles 48.

ROLL-A-REEL, INC., 4630 Reading Rd., Cincinnati, Ohio—Westinghouse Electric Supply all principal cities; Western Electric, 2400 Yates Ave., Los Angeles; General Electric Supply, 900 East Front St. Butte, Mont.

ROLLER-SMITH CORP., now Fifty Avenue L., Inc., owned by Federal Pacific Elec.

ROME CABLE DIVISION OF ALCOA, P. O. Box 71, Rome, N. Y.—Sales Offices: Walter E. Michalke, Manager, 277 Utah Ave., South San Francisco; H. Lee Rawlings, Representative, 230 So. 4th West, Salt Lake City 1, Utah; Stewart Johnston, Manager, 1145 Wilshire Blvd., Los Angeles 17; Anton M. Mitrovich, Manager, 1411 Fourth Avenue Bldg., Seattle 1, Wash.; Robert H. Kelly, Representative, 514 First National Bank Bldg., Phoenix, Ariz. Lawrence R. Hennings, Representative, 610 Fidelity Bldg., Spokane 1, Wash.

ROSS OPERATING VALVE CO., 120 E. Golden Gate Ave., Detroit 3, Mich.—R. W. Atkinson Co., 3713 Santa Fe Ave., Los Angeles 58 and 655 Folsom St., San Francisco 7; Alta Engineering Co., 2950 South Fox St., Englewood, Colo.; Hydraulic & Air Equipment Co., 2316 N. W. Savier St., Portland, and 1522 4th Ave., So., Seattle 4, and Box 1572, Medford, Ore.

ROTH CONTROLS, P. O. Box 900, Evanston, Ill.—Arthur & Allen, 420 Market St., San Francisco.

ROWAN CONTROLLER, 2400 Homewood Ave., Baltimore, Md.—W. E. Starr Co., 926 S. Atlantic Blvd., Los Angeles 22, and 10 East 2nd St., Scottsdale, Ariz.; Carmody Co., 1731 First Ave., South, Seattle; Artwel Electric, Inc., 1485 Bayshore Blvd., San Francisco.

ROYAL ELECTRIC CORP., 95 Grand Ave., Pawtucket, R. I.—Eckert-Lloyd Co., 1950 Naomi Ave., Los Angeles, and 1225 Sixth St., San Francisco; Northwestern Agencies, 4130 First Ave., South, Seattle; Marshall James, 2941 N. W. Quimby, Portland; Wm. Benndorf Co., 221 E. Camelback Rd., Phoenix; Strong & Humphrey, 110 Yuma, Denver 23; Dougherty Enterprises, P. O. Box 188, Kailua, Hawaii.

ROYAL ELECTRIC MFG. CO., INC., 1122 E. 87th St., Chicago, Ill.—Walter Dolde Sales, 114 Morningside N.E., Albuquerque; Roy E. Coulson, 8050 North Third Ave., Phoenix; H. C. Guire Co., 715 S. York St., Denver; Bill Horning Sales, 902 Friedel Ave., Vancouver, Wn.; Leonard M. Slusser, P. O. Box 104, Salt Lake City 10; Krause Eng. Co., 15029 Gilmore St., Van Nuys, Calif.; Ingalls Associates, 424 40th St., Oakland 9; Harold D. Kroh, 836 Ocean View Drive, Honolulu 16, Hawaii. (See ad, p. 64)

RUGGLES - KLINGMANN MFG. CO., Foster Court, Salem, Mass.—Branom & Leeland Instrument Co., 2137 Second Ave., Seattle 1; C. H. Spencer & Co., 210 West 33rd South, Salt Lake City; Hendrie & Bolthoff Co., 1635 17th St., Denver 17; Charles Meriam Co., 5017 Telegraph Rd., Los Angeles 22; Ref. & Power Spec. Co., 380 Brannan St., San Francisco 7.

RUMAR HEATING CORP., 8624 South 34th, Tacoma, Wash.—D. V. Kennon, 1300 South 2nd, Mt. Vernon, Wash.; Judd & Black, 1908 Broadway, Everett, Wash.; Groff's Elec. Heat, 4313 6th Ave., Tacoma; Blue Mt. Heating, 311 N. 2nd Ave., Walla Walla, Wash.; Maxwell's, Inc., E. 14th Mission Ave., Spokane 2; Coast Products, 284 Coburg Road, Eugene, Ore. (See ad, p. 63)

RUNDEL ELECTRIC CO., 230 Adrian Road, Millbrae, Calif.—Shaffer & Nelson, Inc., in following cities: 1001 S. E. Water Ave., Portland, 312 Occidental Ave., Seattle, West 1835 Broadway, Spokane, and 1415 South Main, Salt Lake City; Control Engineering, 2122 S. Atlantic Blvd., Los Angeles 22.

RUSGREEN MFG. CO., 14262 Birwood Ave., Detroit, Mich.—Matzinger-Johnson Co., 1329 Willow St., Los Angeles 13; R. T. Lewis Co., 1301 Pierce St., Suite 35, Lakewood, Colo.; Tal Agencies, 1043 6th Ave. So., Seattle 4; Keeler-White Co., 523 N.W. Everett St., Portland 9; F. Lowell Garrison, 199 Edgewood Ave., San Francisco 17; John P. Bagoy & Assoc., Box 1005, Anchorage, Alaska.

RUSSELL MFG. CO., Industrial Heights, Middletown, Conn.—Branch Office: 555 5th Ave., Oakland 6; Insulation & Wires, Inc., 6415 East Fleet St., Los Angeles, 1112 N. W. 19th Ave., Portland, and 255 Loomis St., San Francisco.

RUSSELL & STOLL CO., INC., 125 Barclay St., New York City N. Y.—E. A. Will, 534 First Ave. So., Seattle 4; Allied Industries, 412 Seaton St., Los Angeles; T. J. Vieau, 1871 S. Broadway, Denver; W. R. Dunn & Co., 55 New Montgomery St., San Francisco; Wm. Benndorf Co., 221 E. Camelback Rd., Phoenix 12.

RYTHER PURDY LUMBER COMPANY, INC., 501 Tiffany St., New York City, N. Y.—William C. Stripp, Stuart Bldg., Seattle 11; Artwell Electric, Inc., 1485 Bayshore Blvd., San Francisco; W. E. Starr & Co., 926 So. Atlantic Blvd., Los Angeles; J. W. Reynolds Co., Box 15412, Salt Lake City 15.

S & C ELECTRIC CO., 4435 Ravenswood Ave., Chicago, Ill. — Western Sales Division Office: 1640 Rollins Road, Burlingame, T. E. Palmer, Manager; W. R. Sibbett & F. C. Trayer, Sales Engineers, 1640 Rollins Rd., Burlingame, Calif.; F. A. Allehoff, Sales Engineer, 516 S. E. Morrison, Portland 14. Representatives: Randolph Industries, Inc., 12202 E. Garvey Ave., El Monte, Calif., and 312 E. Pima, Phoenix and 525 San Pedro Dr. N.E., Albuquerque; Riter Engineering Co., 1369 Major St., Salt Lake City 15; Peterson Co., 4949 Colorado Blvd., Denver 15; Honolulu Elec'l Products Co., 60 Piikoi St., Honolulu 11, Hawaii.

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SAFETY ELECTRIC EQUIPMENT CO., 2 Linares Ave., San Francisco, Calif.—Sold Direct.

SAFETY LIVE LINE TOOL CO., 973 86th Ave., Oakland, Calif.—T. A. Ford Co., 402 Agostino Road, San Gabriel, Calif.

SAFETY SWITCHBOARD CO., INC., 910 89th Ave., Oakland, Calif.—Branch: 470 N. 16th St., Sacramento. Distr.: Herning Co., 1178 Folsom St., San Francisco; Savasta Elec. Supply, 617 County Rd., San Carlos; Elec. Corp., 178 10th St., Oakland; Phillips & Edwards, 1318 E. Scotts Ave., Stockton 5; Jobbers Elec. Corner, 5th and "A" Sts., Santa Rosa, Calif.; Capitol Wholesale, 1235 "S" St., Sacramento; Graybar Electric, 1911 Union St., Oakland, and 2626 Hamilton Ave., Fresno. **(See ad, p. 65)**

ST. LOUIS MALLEABLE CASTING CO., 7701 N. Conduit Ave., St. Louis, Mo.—Maydwell & Hartzell, Inc., in following cities: 6400 Corvette St., Los Angeles, 206 W. Island Ave., San Diego, 870 Tennessee St., San Francisco 7, 1216 Poplar Place South, Seattle 44, 120 S. 29th St., Phoenix 34, 2318 N. W. Vaughn, Portland 10, P. O. Box 415, Medford, 121 S. Monroe St., Spokane, 206 East 16th St., Tucson, 602 S. Arizona St., Butte, Mont.

ST. REGIS PAPER CO., Panelyte Division, Enterprise Ave., Trenton, N. J.—Electrical Specialty Co. in the following cities: 158-168 Eleventh St., San Francisco 3; 2026 Arapahoe St., Denver 5; 1822 N. W. 25th Ave., Portland 6; 2820 E. 12th St., Los Angeles 23; 2442 First Ave., So., Seattle 4; 210 W. Adams St., Phoenix, and 2588 Simpson Ave., Salt Lake City.

SAGE ELECTRONICS CORP., Country Club Road, East Rochester, N. Y.—M. A. Stolaroff Co., 4622 W. Slauson Ave., Los Angeles 43, and P. O. Box 11016, San Diego 11; Seatronics, Inc., 1817 Norman St., Seattle 44; S-L Associates, 4960 East Evans Ave., Denver 22; Allen-Cochrane Co. Inc., Box 746, San Mateo, Calif.

SALISBURY & CO., W. H., 401 N. Morgan St., Chicago, Ill.—R. E. Cunningham & Son, 530 W. Sixth St., Los Angeles; Graybar Electric Co., Inc., and Line Material Co., all principal cities; Western Hardware & Tool, 122 10th St., San Francisco; R. E. McDougrel, 829 Maryland, Butte.

SALSBERG MFG. CO., 836 Main St., Martinez, Calif. —All sales conducted by Price & Rutzebeck, Hayward, Calif.

SANGAMO ELECTRIC CO., 1301 No. 11th St., Springfield, Ill.—T. R. Wood, 5908 California Ave., Seattle 16; L. A. Nott, 1061 Howard St., San Francisco 3; H. W. Wittenburg, 1819 W. 6th St., Los Angeles 51; Jerry K. Rogers, P. O. Box 412, Salt Lake City 10; Mountain States Machinery, 1526 Blake St., Denver 2; Frank Gorman, 1701 Texas St., El Paso; J. E. Redmond, 625 W .Madison, Phoenix; R. E. McDonough, 829 Maryland Ave., Butte, Mont.; R. L. Schoenberger, 811 S. W. 6th Ave., Portland 4; Gorman Eng., 1330 - 12th N. W., Albuquerque; H. M. Denny Co., 3410 16th Ave. W., Seattle. (Time Switch Div.)

SAUEREISEN CEMENTS CO., 1045 N. Canal St., Pittsburgh 15, Pa.—Montgomery Brothers Inc., In following cities: 1122 Howard St., San Francisco; 4800 District Blvd., Los Angeles 11; 911 Western Ave., Seattle; 1632 N.W. Johnson, Portland.

SAYLOR & SON, FRANK D., 13095 Greeley, Detroit, Mich.—Allied Industries, 412 Seaton St., Los Angeles; E. A. Will, 534 First Ave. South, Seattle 4.

SCAM INSTRUMENT CORP., 1811 Irving Park Rd., Chicago 13, Ill. — Jensen Instrument Co., 1919 Beverly Blvd., Los Angeles, and 429 Bryant St., San Francisco.

SCHAUB ENGINEERING CO., FRED H., 5300 Belmont Road, Downers Grove, Ill.—Johnson Eng. Co., 534 20th St., Oakland 12; Meco Acme Boiler Co., Inc., 2426 Commodore Way, Seattle 99; Herman & von Rosenberg, 1051 11th St., Denver 4; A. W. Mortensen Co., 1117 S.E. Morrison St., Portland; Power Eng. Co., 1806 So. State St., Salt Lake City.

SCHAUER MFG. CORP., 4500 Alpine Ave., Rossmoyne (Cincinnati), Ohio—Barstow & Doran, 7406 S. Grand Ave., Los Angeles; W. H. Connors Co., 375 Birch St., Denver; Sinai-Johnson, Inc., 845 Jessie St., San Francisco.

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SCHENECTADY VARNISH CO., INC., Congress and 9th Ave., Schenectady, N. Y.—Electrical Specialty Co., in following cities: 158 11th St., San Francisco 3; 2820 E. 12th St., Los Angeles 23; 2442 First Ave., Seattle; 2026 Arapahoe, Denver; 1822 N. W. 25th Ave., Portland, and P. O. Box 232, Phoenix.

SCHWAGER-WOOD CORP., 8024 S. W. 35th Ave., Portland, Ore.—Branch: 2823 - 42nd Ave. W., Seattle; Love Electric Co., 1914 Market St., Tacoma; Slaybaugh-Thompson Co., 100 West 13th Ave., Denver 4; A. B. Smedley, 848 Marcheta St., Altadena, Calif.; Clarence W. Silver Co., 550 W. 7th South St., Salt Lake City 4; Artwel Electric Inc., 1485 Bayshore Blvd., San Francisco; M&L Supply Co., 110 E. Front St., Butte, Mont.; Associated Engineers, 511 Hawkins Rd., El Paso, Tex.

SCHMITT STEEL, INC., 2765 N. W. Nicolai, Portland 10, Ore.—Western Power Products Co., 2765 N. W. Nicolai, Portland 10.

SEAMLEX, INC., 41 24th St., Long Island City, N. Y. —S. A. Beckley & Co., 1816 West 75th St., Los Angeles; Huson Sales & Eng. Co., 2312 West Walton Ave., Spokane.

SECHRIST MFG. CO., 4990 Acoma St., Denver, Colo. —A. R. Parker Co. 420 Market St., San Francisco; Gordon Laursen, 1116 Dartmouth N. E., Albuquerque; Stearns Sales Co., 6422 Browns Blvd., N.E., Tacoma; C. A. Peterson, 5757 Huntington Dr. No., Los Angeles; The Darger Co., 211 South 2nd West, Salt Lake City.

SECODE CORPORATION (Formerly Electrical Communications, Inc.), 555 Minnesota St., San Francisco 7, Calif.—King Moon Co., 128 N. Garfield Ave., Monterey Park, Calif.

SECULATE, 681 Market St., San Francisco, Calif.—Wrathall and Krusi, Inc., 681 Market St., San Francisco.

SEEDORFF & CO., INC., A. P., Bell, Calif.

SEELY INSTRUMENT CO., INC., 377 Fourth St., Niagara Falls, N.Y.—Air & Hydraulic Equipment Co., 4863 Telegraph Rd., Los Angeles 22; E. H. Severson Co., 5614 E. 59th St., Seattle 5.

SEGIL CO., L. J., 2500 W. North Ave., Chicago, Ill. —Frank Steiner, 5100 Santa Monica Blvd., Los Angeles 29; Al Slater & Associates, 9011 15th Ave., N.E., Seattle.

SEMI-CONDUCTOR DIV., SYNTRON—See Syntron.

SEL-REX CORP., 75 River Road, Nutley 10, N. J.—Branch: 2180 Colorado Ave., Santa Monica, Calif.

SEQUOIA WIRE & CABLE—(See Anaconda Co.)

SESSIONS CLOCK CO., 61 East Main St., Forestville, Conn.—Lee Arter Co., 5221 El Mirador Dr., Los Angeles; Bryan & Herbert, 231 Western Merchandise Mart, San Francisco; Maizels Co., 1633 N. W. 21st Ave., Portland, Ore.; Sam Maizels Co., Terminal Sales Bldg., Seattle 1.

SHAKEPROOF DIVISION of Illinois Tool Works, Calinoy Div. of Ill. Tool Works, 3155 W. El Segundo Blvd., Hawthorne, Calif.—Curt Carr Co. Inc., 5057 Ridge Road, Riverside, Calif.

SHALDA MFG. CO., INC., 156 W. Providencia, Burbank, Calif.—Howard & Goepp Co., 1301 6th St., San Francisco; Jack Murphy Co., 1901 4th Ave., San Diego 1; Roy J. O'Donnell Co., 2256 S. Delaware St., Denver 23; Southwestern Sales Co., 6218 W. Indianola, Glendale, Ariz.; Pacific Mfg. Co., 5705 N.E. 17th St., Portland; Eugene M. Dorman, 2501 Ninth Ave. W., Seattle; Dale Brown, 1735 S. 23rd East St., Salt Lake City.

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SHANNON LUMINOUS MATERIALS CO., 7356 Santa Monica Blvd., Hollywood 46, Calif.—Commercial Paint Co., 1173 Harrison St., Seattle 9; Boise Blue Print Co., 1009 Idaho St., Boise; Salt Lake Blue Print & Supply Co., 245 S. State St., Salt Lake City; Phil's Paint Spot, 131 W. Main, Missoula; Jay Displays, 228 B Street, San Diego; Stagecraft Industries, 2852 N.W. 31st Ave., Portland.

SHERMAN MFG. CO., H. B., 22 Barney St., Battle Creek, Mich.—William A. Matzke, 702 Terminal Sales Bldg., Seattle 1; D. L. Powers, P. O. Box 1145, Whittier, Calif.; D. J. Mackey, P. O. Box 988, Albuquerque; Rocky Mt. Elec. Sales Co., 16 Wazee Market, Denver.

SHERMAN & REILLY, INC., First & Broad, Chattanooga, Tenn.—Paul K. Haggard Co., 5800 E. Marginal Way, Seattle 4; Matzinger-Johnson, 1329 Willow St., Los Angeles 13; Hamilton Associates, 1236 Elati St., Denver 4; John P. Bagoy & Assoc., Box 1005, Anchorage, Alaska; Honolulu Elec'l Products, Ltd., Box 459, Honolulu, Hawaii.

SHURE BROS., Evanston, Ill.—Hodges & Glomb, 921 Bryant St., San Francisco.

SHURE-SET FASTENING SYSTEM, 12117 Berea Road, Cleveland 11, Ohio—(See Ramset Fastening System.)

SHURITE METERS, 130 Wallace, New Haven 8, Conn. —James J. Backer Co., 221 W. Galer St., Seattle 99; F. W. Moulthrop Co., 1530 E. 12th St., Oakland 6; Howard M. Saul & Assoc., 5015 San Vicente Blvd., Los Angeles 19; A. J. Nelson Co., 710 E. Louisiana Ave., Denver 10, Jim Hasting Sales Co., P. O. Box 2098, Honolulu 5, Hawaii.

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SIERRA SWITCHBOARD CO., 110 Constitution Drive, Menlo Park, Calif. (See ad, p. 99)

SIERRA TRANSFORMER CO., 8833 Miner St., Los Angeles, Calif.—The Baxter Co., 101 Kansas St., San Francisco; Bruce-Emmett Co., 830 S. E. Alder St., Portland 14; Alfred E. Linzer Co., 1507 Kapiolane Blvd., Honolulu 14, Hawaii.

SIGHTMASTER CORP., 50 Aleppo St., Providence, R. I.—Raymond Vinson, P. O. Box 8363, Denver; George B. Ellis, 2316 El Camino Real, Mountain View; William Lanphear Co., 3215 Western Ave., Seattle; Shephard-Winters Co., 3193 Cahuenga Blvd., Hollywood, Calif.

SIGNAL INDICATOR CORP., 42 Stewart Ave., Brooklyn, N. Y.—Jack Berman Co., 1141 S. La Cienega Blvd., Los Angeles; F. W. Moulthrop Co., 1530 E. 12th St., Oakland, Calif.; Burt C. Porter Co., 1209 Poplar Place, South, Seattle; Hyde Electronics, 888 So. Lipan St., Denver.

SILENT HOIST & CRANE CO., 841 63rd St., Brooklyn 20, N. Y.—Branch Offices: Cost Reduction Equipment Co., 5200 Chokemco St., South Gate, Calif.; Elder & Co., 333 7th St., San Francisco 3.

SILICONE DIV., Union Carbide Corp., 270 Park Ave., New York City, N. Y. — Branch Offices: 2770 Leonis Blvd., Los Angeles 58.

SILVRAY LIGHTING, INC., 100 W. Main St., Bound Brook, N. J.—Heintz & Wells, 1500 Westlake, Seattle; H. X. Sheeter, 1417 Georgia St., Los Angeles; L. J. Van Nostrand 1400 N Street, Sacramento, Calif.; Smoot-Holman Co. (Licensee), Inglewood, Calif.

SIMONDS MACHINE CO., INC., 260 Saxon Rd., Southbridge, Mass.—M. A. Stolaroff, 4614 Northridge Dr., Los Angeles.

SIMONSEN METAL PRODUCTS CO., 4444 West Chicago Ave., Chicago 51, Ill.—Agencies Co., 836 Traction Ave., Los Angeles 13; F. Lowell Garrison, 199 Edgewood Ave., San Francisco 17; Strong & Humphrey, 110 Yuma, Denver 23.

SIMPLEX CO., INC., 1139 N. MacArthur, Springfield, Ill.—Star Machinery, 241 Lander, Seattle 4; Thomas Electric Co., 549 W. 2nd St. S., Salt Lake City; International Electric Co., 5710 Santa Fe Ave., Los Angeles; Walter Corman, 7432 W. 80th St., Los Angeles.

SIMPLEX TIME RECORDER CO., 26 S. Lincoln, Gardner, Mass.—Branch offices in every major city. Consult your telephone directory for listing.

SIMPLEX VALVE & METER CO.—Oliver B. Lyman Co., 55 New Montgomery St., San Francisco.

SIMPLEX WIRE & CABLE CO., 79 Sidney St., Cambridge 39, Mass.—Branch Offices: Simplex Wire & Cable Co. of Calif., Garnett-Young & Co. Managers in following cities: 3775 S. Broadway, So. Los Angeles; 390 Fourth St., San Francisco 7; 1928 1st Ave. South, Seattle 4; 1238 N. W. Glisan St., Portland 9, and 1400 No. 32nd St., Phoenix; Krippner & Polley, 1166 Elati St., Denver 4; Conley Eng. Co., 165 S. 1st West St., Salt Lake City 1.

SIMPSON COMPANY, 1060 E. 11th St., Oakland 6, Calif.—The Electric Corp., 145 9th St., San Francisco, 178 10th St., Oakland, 110 S. Aurora, Stockton; Lavenson A. Savasta, 586 6th St., San Francisco; Electrical Distributors, Rice St., San Jose; Smith & Thomas Co., 586 1st Ave. So., Seattle; Slakey Bros., Inc., 2145 Fitchburg Station, Oakland. Sold by leading jobbers all principal cities.

SIMPSON ELECTRIC CO., 5200 W. Kinzie St., Chicago 44, Ill.—R. G. Bowen, 721 So. Broadway, Denver 9; D. H. Burcham, 510 N.W. 19th Ave., Portland 5; C. R. Lynch, 3307 Glendale Blvd., Los Angeles 39; W. J. Purdy, 312 Seventh St., San Francisco 3; Bowen & Carlberg, 2628 San Mateo Blvd., N.E., Albuquerque.

SIMPSON MFG. CO., INC., MARK, 32-28 49th St., Long Island City 3, N. Y.—Eddie Colman & Assoc., 513 E. Washington Blvd., Los Angeles 15; Bernard Cahn & Co., 420 Market St., San Francisco 11; William R. Panphear Co., 3215 Western Ave., Seattle 1; Stan Cluphf & Assoc., 7825 W. Colfax, Denver 15; Gene Piety Factors, Inc., 160 Mokauea St., Honolulu, Hawaii.

SIMS CO., INC., 1402 East 18th St., Erie, Pa. — Vanderhoof Equip. Co., Pier 9, The Embarcadero, San Francisco; Thermal Eng. Co., 5469 San Fernando Rd., West Los Angeles; Specialty Sales, 117 West Second St., Salt Lake City; Herlin Eng. Co., 1601 Bassett Ave., El Paso.

SIRENO SIGNAL MFG. CO., 65 Passaic Ave., Kearny, N. J.—E. L. Buckley Co., 986 Harrison St., San Francisco; Ballou & Wright, 327 N.W. 10th Ave., Portland, and 1513 12th St., Seattle; AAA Fire Extinguisher Equip. Co., Phoenix; Spitzer Elec. Co., Albuquerque.

SKIL CORP., 5033 Elston, Chicago 30, Ill.—Branch Offices: E. 2226 Riverside, Spokane 24, 5616 N. E. Glisan, Portland, 13237 Saticoy, No. Hollywood, 1147 Mission St., San Francisco, 3960 E. 14th St., Oakland, 4462 York, Denver, 3123 E. McDowell, Phoenix.

SKINNER ELECTRIC VALVE DIV., 95 Edgewood Ave., New Britain, Conn.—Hydraulic & Air Equip. Co., 2316 N.W. Savier, Portland, and 1522 4th Ave. So., Seattle. Distributors: Haskel Eng. & Supply, 225 11th St., San Francisco; Metropolitan Supply, 1153 So. Greenwood Ave., Montebello, Calif.; The Rucker Co., 6170 Telegraph Rd., Los Angeles 22; Ind. Elec. Service, 319 So. I St., Aberdeen, Wash.; Power Transmission Products, 1107 N.W. 14th Ave., Portland 9; Calif. Instrument Co., 351 10th St., San Francisco 3.

SLADE ELECTRICAL MFG. CO. INC., 140 Roseville Ave., Newark, N. J.—Roth Sales, P. O. Box 9167 Montclair Sta., Denver 20; Dale E. Blomquist, 243 E. 3rd South, Salt Lake City; Ernie Massman, Columbia Falls, Mont.

SLATER ELECTRIC & MFG. CO., INC., 45 Sea Cliff Ave., Glen Cove, Long Island, N. Y.—Bruce-Emmett Co., 830 S.E. Alder, Portland 14, 1016 First Ave., S., Seattle; 373 W. 3rd No., Salt Lake City, and 12103 E. Boone St., Spokane; The Baxter Co., 101 Kansas St., San Francisco and 1331 "T" St., Sacramento Calif.; Michel Brothers, 1413 E. 20th St., Los Angeles and P. O. Box 187, Scottsdale, Ariz.

SLEEVE-INS. CO., P.O. Box 1128, Vancouver, Wash. —Sold thru Jasper Blackburn Corp., St. Louis and Royal Electric Mfg. Co., Chicago; Bill Horning Sales, 902 Friedel, Vancouver, Wsh.

SMITH CORP., A. O., Motor Div., Tipp City, Ohio—J. E. Edstrom, 1224 S.W. Morrison St., Portland; Wm. Briney Co., 7440 Girard Ave., Suite 4, La-Jolla, Calif.; Continental Labs, P. O. Box 97, Billings, Mont.; H. M. Denny Co., 3410 16th Ave. West, Seattle 99; R. V. Jones, 1555 Williams Secondary, Grants Pass, Ore.; Howard Jordan Co., 1007 Grand Ave., Phoenix; Wenco Sales Co., P. O. Box 17196 Salt Lake City; Electrical Agencies Co., 235 Wyandot, Denver 23; J. F. Cady Co., 1485 Bayshore Blvd., San Francisco. Branch: 550 South Flower, Los Angeles, 610 16th St., Oakland.

SMITHCRAFT LIGHTING DIVISION, 233 Everett Ave., Chelsea 50, Mass.—Fred D. Benz Co., 520 4th St., San Francisco; J. R. Penning,, 2323 Second Ave., Seattle; C. A. Peterson Co., 5757 Huntington Dr., No., Los Angeles; James P. Swann, 3921 Delamar, N. E., Albuquerque; T. J. Vieau & Assoc., 1871 So., Broadway, Denver; Dean Brant & Assoc., 77 Third Ave., W., Scottsdale, Ariz.

SMITH-GATES CORP., New Britain Ave., Farmington, Conn.—Ed B. Schack & Co., 2216 First Ave., Seattle 1; John Price and Assoc., 2402 North Seaman, El Monte, Calif.

SMOOT-HOLMAN CO., P. O. Box 4097, Inglewood, Calif.—Branch Office and Warehouse: 55 Mississippi St., San Francisco. Representatives: J. R. Christensen, 249 E. 5th South St., Salt Lake City 3; Carleton J. Bunce, 3664 Charles St., San Diego, Calif.; M. P. Fenton, 1331 "T" St. Sacramento; F. C. Scharr, 2103 Western Ave., Seattle; Clay Barton, 218 Builders Exchange Bldg., Portland 4; Gordon Laurson, 1116 Dartmouth N. E., Albuquerque; Norman Ross, 4227 N. Monte Vista, Scottsdale, Ariz. (See ad, p. 66)

SNAP-ON TOOL CORP., 8028 28th Ave., Kenosha, Wis.—2160 Clay St., Denver; 1717 West 6th St., Los Angeles; 2605 Market St., Oakland 7; 3229 E. Washington St., Phoenix; 1721 South Main St., Salt Lake City; 4503 8th Ave. N.W., Seattle, and 2402 Kalihi St., Honolulu 17.

SOAPSTONE DUCT CO., 3985 Beach Street, Oakland, Calif.—Maydwell & Hartzell, Inc., 870 Tennessee St., San Francisco 7, 6400 Corvette St., Los Angeles, 206 W. Island Ave., San Diego, 120 S. 29th St., Phoenix, P. O. Box 415, Medford, 2318 N. W. Vaughn St., Portland, 1216 Poplar Place South, Seattle; 121 S Monroe St., Spokane; 602 S. Arizona St., Butte, and 806 East 16th St., Tucson.

SO-CAL ELECTRO PRODUCTS, INC., 4423 W. Jefferson Blvd., Los Angeles, Calif.—Sold by Graybar Electric Co. in all principal cities; Alwalt Company, 1706 Lapham Dr., Modesto, Calif; Gough Industries, 819 E. First St., Los Angeles; Meyer Safety Switch Co., Inc., 423 Tehama St., San Francisco; Pajell Electric Supply Co., 1025 So. First St., Las Vegas, Nev.

SOLA ELECTRIC CO., 1717 Busse Road, Elk Grove Village, Ill.—Branch Office: Three West 37th Ave., San Mateo, Calif. and 2907 W. Vernon Ave., Los Angeles; Northwestern Agencies, Inc., 4130 First Ave., South, Seattle 4; Ray J. Noel Co. Inc. (for ballasts only) 4315 So. Western Ave., Los Angeles 62; Slaybaugh & Thompson, 100 W. 13th Ave., Denver 4.

SOLAR ELECTRIC CORP., 3 Harmer St., Warren, Penna.—Electro-Power Corp., East 800 Front Ave., Spokane 4, Wash.

SOLAR LIGHT MFG. CO., 4631 W. 16th St., Chicago 50, Ill.—Branch Office: 1849 Blake Ave., Los Angeles 8; C. A. Peterson Co., 784 E. 14th Place, Los Angeles 47; Associated Electrical Agents, 1000 Fourth Ave. South, Seattle 4, and 1003 S. E. Grant, Portland 14; Arthur & Allen, 420 Market St., San Francisco.

SOLAR SONIC SWITCH CO.—W. B. Imholt Co., 275 Brannan St., San Francisco, Calif.

SORENSON, INC., A Unit of Raytheon Co., Richards Ave., S., Norwalk, Conn.—McCarthy Assoc., in following cities: 635 Oak St., Menlo Park, 1055 E. Walnut, San Diego, 111 Orborn West, Phoenix; Lahana & Co., 1886 S. Broadway, Denver, 1482 Major St., Salt Lake; Arva, 1238 N.W. Glisan, Portland, and 1320 Prospect, Seattle; S.E.I. Inc., 727 Morningside N.E., Albuquerque.

SORGEL ELECTRIC CO., 838 W. National Ave., Milwaukee, Wis.—Artwel Electric, Inc., 1485 Bayshore Blvd., San Francisco 24; Boyer & Seeley, Inc., 1196 Stout St., Denver 14; Henry George Lehl, 14280 S.W. Upland Dr., Oswego, Ore.; Krieger-Koufax Co., 429 South Western Ave., Los Angeles 5; H&C Sales Agency Inc., P. O. Box 3087, El Paso, Tex. (See ad, p. 103)

SOUTHERN CAR & MFG. CO., P. O. Box 2312, Birmingham 1, Ala.—Earl S. Condon Co., 3450 Wilshire Blvd., Los Angeles; Slaybaugh & Thompson Co., 100 W. 13th Ave., Denver 4.

SOUTHERN ELECTRICAL CO., Metals Div. Olin Mathieson Chemical Corp., P. O. Box 989, Chattanooga, Tenn. — Now known as OLIN CONDUCTORS—See listing Under Olin.

SOUTHERN STATES EQUIPMENT CORP., Hampton, Georgia—Carl F. Selby, Western Reg. Mgr., P. O. Box 246, Lake Grove, Ore.; Matzinger-Johnson Co., 1329 Willow St., Los Angeles 13; W. H. Eddy, P. O. Box 1428, Phoenix; John H. Ormond, 600 - 16th St., Oakland, Calif.; T. R. Van Wagoner, 1415 So. Main St., Salt Lake City; R. T. Lewis, 1301 Pierce St., Lakewood, Colo.; A. W. Graham, P. O. Box 69, Clovis, N. M.; Joseph C. Platt Co., 111 Bell St., Seattle 1.

SOUTHWEST MACHINE PLASTIC CO., 5419 McKinley Ave., Los Angeles 11, Calif.—Matzinger-Johnson Co., 1329 Willow St., Los Angeles 13.

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SOUTHWESTERN PLASTIC PIPE CO. OF ARIZ., Box 6583, Phoenix, Ariz. — B. J. Richerson, 10201 Adoree St., Downey, Calif.; Lee Hendricks, 1205 Jackson, S.E., Albuquerque; Dugan Hart Associates, 1248 Ursula St., Denver 8; H. V. Creasse, Box 6583, Phoenix.

SOUTHWIRE COMPANY, Carrollton, Ga.—C. P. Crowley Co., 117 W. 9th St., Los Angeles 15; A. W. Graham, P. O. Box 69, Clovis, N. M.; George Adams Co., 422 So. 7th Ave., Phoenix.

SPANG-CHALVANT DIV., NATIONAL SUPPLY CO., 2 Gateway Center, Pittsburgh. (See National Supply Co., Tubular Products Div.)

SPANMASTER CRANE DIV., Jervis B. Webb Co., 9301 Reyo St., South Gate, Calif.

SPARLING METER CO., 225 N. Temple City Blvd., El Monte, Calif.—(See Hersey-Sparling.)

SPARTAN ELECTRIC RADIATOR CORP., 52-55 74th St., Maspeth 78, N. Y.—Arne Carson, Terminal Sales Bldg., Seattle 1; Sam Hexter Assoc., 2414 S. Santa Fe. Ave., Los Angeles; Robert H. Ransohuff, 1355 Market St., San Francisco 3.

SPEEDEX MFG. CO., 400 S. Wyman St., Rockford, Ill.—H. Ballis, 851 Broadway, Denver 3; Dean MacDonald, 907 N. 67th St., Seattle; Cohn & Shane, Inc., 1323 Venice Blvd., Los Angeles; Syd Weinberg, 1721 E. Luke, Phoenix; Lory Fuchsmann, 1485 Bayshore Blvd., San Francisco; J. S. Morton and Arnold Goldstein, 1718 Broadway, Seattle; Sid Schieber, 1485 Bayshore Blvd., San Francisco.

SPEEDWAY MFG. CO., 1421 Barnsdale Road, La Grange Park, Ill.—Lynn & Brooks, 3055 Wilshire Blvd., Los Angeles 5, 1485 Bayshore Blvd., San Francisco 24 and 1000 4th Ave., Seattle.

SPENCER THERMOSTAT CO., 34 Forest St., Attleboro, Mass.—(See Metals & Controls Corp.)

SPERO ELECTRIC CORP., 18222 Lanken Ave., Cleveland 19, Ohio—Pete Bach, 1233 N.W. 12th Ave., Portland, Lyle Heaton, 602 - 123rd N.E., Bellevue, Wash.; Jim Shirreffs Co., 3601 S. Broadway Pl., Los Angeles; Hollis R. Johnson, 5528 Timberwolf Dr., El Paso; Western Associates, 128 E. Roosevelt, Phoenix; Guy deLeuze Co., 1923 Bryant St., San Francisco 10.

SPERTI-FARADAY, INC.—Now Faraday, Inc. Listing under Faraday.

SPRAGUE ELECTRIC CO., 149 Marshall St., North Adams, Mass.— George E. Honn Co. Inc., 560 Third St., San Francisco; J. A. Tudor & Assoc. Inc., 2605 Western Ave., Seattle 1; Slaybaugh-Thompson Co., 100 W. 13th Ave., Denver 4; R. F. Schow & Co., 926-926½ S. Atlantic Blvd., Los Angeles 22.

SPRAGUE ENGINEERING CORP., 19300 South Vermont Ave., Gardenia, Calif.—Artwel Electric, Inc., 1485 Bayshore Blvd., San Francisco 24.

SPRING CITY ELECTRICAL MFG. CO., Hall and Main Sts., Spring City, Pa.—N. R. Schultz Co., 4227 Airport Way, Seattle 84; Murphy-Hain Co., 331 S. Mission Rd., Los Angeles 33, and 3009 Yonge St., Phoenix; P. O. Box 6506, San Diego 6; George E. Honn Co., 560 Third St., San Francisco 11; Fred E. Staible & Sons, Inc., 2046 Arapahoe St., Denver 5. (See ads, pp. 67, 78)

SQUARE D COMPANY, Western Division, 4335 Valley Blvd., Los Angeles 32, Calif.—Branch Offices and also Factories: 4301 Valley Blvd., Los Angeles 32; 211 Industrial St., San Francisco 24; 830 Corwin Place, Seattle 44; 677 Alcott St., Denver 4; 765 Maywood Lane, Tacoma 66; 711 S. E. Ankeny St., Portland 14; West 933 Third Ave., Spokane 4; 800 48th St. South, Great Falls; 20 Sharon Court, Menlo Park; 1331 "T" Street, Sacramento; Room 30, 455 East 4th South, Salt Lake City; 3813 Mackland St., N. E., Albuquerque; 2706 N. Main St., Riverside; 801 Bush St., Santa Ana; 801 Washington, San Diego. Sales Representatives: Alfred E. Linzer Co., 1507 Kapiolani Blvd., Honolulu; Electrical Equipment Co., Echo and Divisadero Sts., Fresno 1; Sun Valley Elect. Mfg. Co., 106 E. Buchanan, Phoenix; John P. Bagoy Company, 611 11th St., Anchorage, Alaska.

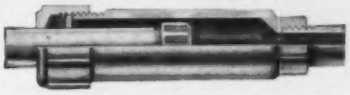
STACKPOLE CARBON CO., Stackpole St., St. Marys, Pa.—Branch Offices: S. L. Spraggins Co., 16042 Ventural Blvd., Encino, Calif.; Eichorn & Melchoir, 932 Terminal Way, San Carlos; Burt Porter Co., 1209 Poplar Place, Seattle.

STANDARD CARBON CO., Box 49, Steubenville, Ohio —Roy Silverman, 1316 N. Laurel Ave., Los Angeles 46; Associated Carbon Prod., 207 W. Pico, Los Angeles, Calif.

STANDARD ELECTRIC EQUIPMENT, 100 Wilkins Ave., Port Chester, N. Y.—James G. Pope, Jr., 2720 S. San Pedro, Los Angeles.

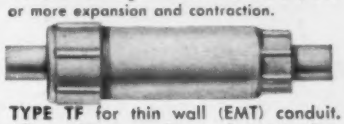
EXPANSION FITTINGS .. by SPRING CITY

Conduit expansion fittings by Spring City relieve the strain of expansion and contraction in long runs of conduit. Applications: Strains caused by temperature changes, expansion joints in structures, and expansion joints in concrete. 1960 catalog available.

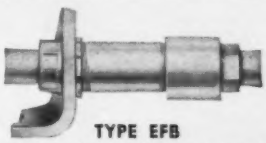


TYPE AF for rigid conduit. Allows 4" expansion and contraction.

TYPE EF for rigid conduit. Allows 8", 12" or more expansion and contraction.



TYPE TF for thin wall (EMT) conduit. Allows 4" expansion and contraction.

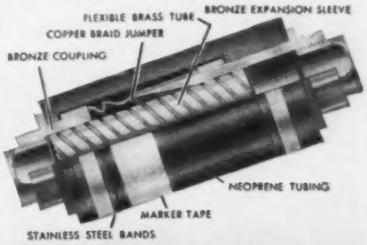


TYPE EFB
for rigid conduit terminating in box. Allows minimum of 4" expansion and contraction.

DEFLECTION & EXPANSION FITTINGS

¾" movement in all directions.

30° angular deflection from the normal in any direction. Vibration damper between sections of conduit.



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STANDARD ELECTRICAL PRODUCTS CO., 2240 E. Third Street, Dayton 3, Ohio—Earl S. Condon Co., 3450 Wilshire Blvd., Los Angeles; Fred H. Height, 3212 Eastlake Ave., Seattle; Allen I. Williams, 2263 S. Albion St., Denver 22. Branch: 1139 Baker St., Costa Mesa, Calif.

STANDARD ELECTRIC TIME CO., THE, 89 Logan St., Springfield, Mass.—Branch Offices: 2214 Quesada Ave., San Francisco; 5405 Sheila St., Los Angeles; 664 N. E. Northlake Way, Seattle; 8665 S. W. Canyon Rd., Portland; 1817 Silica Ave., Sacramento; 1721 E. Harrey St., Fresno; Electro Time & Control, 264 East 1st South, Salt Lake City, and 1249 Bannock St., Denver.

STANDARD INSTRUMENT CORP., Div. of Heat-Timer Corp., 657 Broadway, New York City 12—James L. Kearns Co., 6055 N. E. Glisan St., Portland Electronic Eng. Associates, 1295 Laurel St., San Carlos, Calif.; Jesse S. Kempf Co., 10304 Prairie Ave., Inglewood, Calif.

STANDARD OIL CO. OF CALIF., 200 Bush St., San Francisco, Calif.—Sales Offices: Los Angeles, Fresno, Sacramento, San Francisco, Phoenix, Portland, Seattle, Spokane and Honolulu. Consult telephone directory for address and phone number.

STANDARD TRAILER CO., 415 Park St., San Leandro, Calif.—Utility Body Co., 1530 Wood St., Oakland; Standard Auto Body Co., 4900 S. Soto St., Los Angeles.

STANDARD TRANSFORMER CO., 120 Dana St., N. E. Warren, Ohio—**W. E. Kirk Co., 415 Wall St., Los Angeles 13; J. C. McDougall, 520 1st Ave. South,** Seattle 4; John E. Elggen, 212 West 4th St. South, Salt Lake City 1; Mark G. Mueller Co., 1644 Blake St., Denver 2; J. H. Ormond Co., 600 16th St., Oakland 6; Walter A. Dolde, 114 Morningside Dr., N. E., Albuquerque.

STANDARD WIRE & CABLE CO., 3440 Overland Ave., Los Angeles, Calif. Branch Offices: 140 South Avenue, Alamo, Calif., 1606 Kitchener Dr., Sunnyvale, Calif.; Missile Supply Co., P. O. Box 207, Salt Lake iCty; Tommy Tomlinson Co., 4054 East 88th St., Seattle.

STANLEY POWER TOOLS, 480 Myrtle St., New Britain, Conn.—Branch Office: 320 Valley Dr., Crocker Industrial Park, South San Francisco.

STANLEY WORKS (Stanley Major Door), 195 Lake St., New Britain, Conn.—Gamble-Hawkins Co., 1617 N. W. 14th Ave., Portland 9; The Hay Agency, 150 S. Doheny Dr., Beverly Hills; T. C. Stayner & Co., 2985 So. 2nd West, Salt Lake City 1; Builders Service, Inc., 1221 Bannock St., Denver 4; Hay Agency, 4129 E. Campbell, Phoenix; Bair's Hardware, 564 El Camino Real, Belmont, Calif.; Monroe Equipment Co., N. 715 Madelia, P. O. Box 4225, Spokane 31 and 1226 First Ave., South, Seattle 4.

STAR-A ELECTRIC MFG. CO., 41 Varick Ave., Brooklyn, N. Y.—Collins-Gillette Co., 2501 Crestmont Place, Seattle and 13917 S. Fair Oakway, Portland; John Roth Co., 5500 E. 33rd, Denver; Western Associates, 128 E. Roosevelt, Phoenix; Ray Alexander, 480 Horrocks Dr., Blackfoot, Ida.; Evan Wride, 10190 Phlox St., Sandy, Utah.

STAR EXPANSION INDUSTRIES CORP., Pleasant Hill Rd., Mountainville, N. Y.—Branch Offices: 1103 Airport Blvd., South San Francisco; 5821 E. Beverly Blvd., Los Angeles; 3048 N. 27th Ave., Phoenix; 4901 E. 38th Ave., Denver; 2215 Ranier Ave., Seattle.

STAR LIGHTING FIXTURE CO., Subsidiary of Thomas Industries, Inc.—(See Thomas Industries.)

STATES COMPANY, THE, 21 New Park Ave., Hartford, Conn.—Western Representatives: George E. Honn Co., 560 Third St., San Francisco; Arthur E. Booth Co., 265 S. Alexandria Ave., Los Angeles 4; Mountain States Machinery Co., 1526 Blake St., Denver; J. E. Redmond Co., 625 W. Madison St., Phoenix; F. W. Gorman, P. O. Box 223, El Paso; Conely Eng. Co., 165 South 1st West St., Salt Lake City; Andrew L. Polich, Inc., 734 N.W. Glisan St., Portland; Honolulu Elec. Prod. Co. Ltd., Honolulu, Hawaii.

STATE WIRE AND CABLE CORP., S. River St., Cox-sackie, N. Y.—Pete Bach Electric, 1233 N. W. 12th Ave., Portland 9.

STA-TITE MFG. CO., 2000 Wyandotte, Kansas City, Mo.—James C. Pope, Jr., 2720 S. San Pedro St., Los Angeles; Jim Dawson Co., 2970 West Shore Place, Denver 4. (See ad, p. 68)

STAUFFER CHEMICAL PVC CONDUIT, Los Angeles — Electrorep, 672 Townsend St., San Francisco; Muth-Richards Co., 1804 Buch Place, So., Seattle.

STA-WARM ELECTRIC CO., 503 N. Chestnut St., Ravenna, Ohio—Montgomery Brothers Inc. in following cities: 1122 Howard St., San Francisco, 911 Western Ave., Seattle, 4800 District Blvd., Los Angeles, 1632 N.W. Johnson, Portland, and 5103 N. Hawthorne, Spokane.

STEARNS MAGNETIC PRODUCTS, 635 S. 28th St., Milwaukee, Wis.—L. F. Hoag, National Equip. Co., 35 E. Pierson, Phoenix; Willard Eng. Co., 2709 S. Hill St., Los Angeles; Transmission Eng. Co., 427 Bryant St., San Francisco; Schloss & Shubart, 1626 Wazee St., Denver; John H. Marvin Co., 427 1st Ave. W., Seattle, and 2166 N. W. Wilson St., Portland; National Equip. Co., 1020 S. 6th West, Salt Lake City.

STEARNS-ROGER MFG. CO., 660 Bannock St., Denver, Colo.—Branch Office: Salt Lake City, Utah. (See ad, p. 69)

STEBER DIVISION OF PYLE-NATIONAL CO., Broadview, Ill.—Branch: 242 S. Anderson St., Los Angeles; Hodges & Glomb, 921 Bryant St., San Francisco; Northwestern Agencies, Inc., 4130 1st Ave. So., Seattle 4. Sold through elecrical distributors, principal cities.

STEEL CITY ELECTRIC CO., 1207 Columbus Ave., Pittsburgh, Pa.—Hodges & Glomb, 921 Bryant St., San Francisco 3; Murphy-Hain Co., 333 Mission Road, Los Angeles; Northwestern Agencies, 4130 First Ave., South, Seattle 4; Fred E. Staible & Sons, 2046 Arapahoe St., Denver 2; J. R. Christensen & Assoc., 249 East 5th South, Salt Lake City 11. (See ad, p. 19)

STEELDUCT CO., 335 Market, Youngstown, Ohio F. M. Nicholas Co., 72 Townsend St., San Francisco, and 1331 T St., Sacramento 14, c/o Dudley Snider; L. S. Reed & Co., 1018 Lawrence St., Denver; Bruce-Emmett Co., in following cities: 830 S. E. Alder St., Portland 14, 1016 First Ave. So., Seattle, 12103 East Boone, Spokane 67, and 373 West 3rd North, Salt Lake City 16; Maddox Sales Co., 914 East Third St., Los Angeles, and 5709 No. 19th Place, Phoenix.

STEEL & TUBES DIV., Republic Steel Corp. (See Republic Steel Corp.)

STEMCO MFG. CO., 4275 Forrest, Denver, Colo.—Norman Ross, 4227 N. Monte Vista, Scottsdale, Ariz.; Smith-Thomas Co., 10 West Connecticut, Seattle; W. E. Starr Co., 926 South Atlantic Blvd., Los Angeles 22.

STEMM BROS., INC., 14th and Commercial, Leavenworth, Wash.—Nelson Equipment Co., 5251 McLoughlin Blvd., Portland; Stanco Mfg. & Sales, 1931 Pontius Ave., Los Angeles; Stratton Equipment, Ltd., 1305 W. Georgia St., Vancouver 5. B. C. Export only.

STEPHENS MFG. CO., M., INC., 814 E. 29th St., Los Angeles, Calif.—The McLoughlin Co., 811 E. 14th Place, Los Angeles, 3147 N. 7th Ave., Phoenix; Keeler-White Co., 523 N. W. Everett St., Portland; Tal Agencies, Inc., 1043 6th Ave. So., Seattle; Stanley Sales Corp., 1122 Folsom St., San Francisco 3; Rocky Mountain Elec. Sales, 16 Wazee Market, Denver 2; Leonard M. Slusser, 318 Dooly Block, Salt Lake City.

STERLING ELECTRIC MOTORS, INC., 5401 Telegraph Road, Los Angeles 22, Calif.—District Office: R. L. Hadley, 383 Brannan St., San Francisco; Edward A. Hurley, 1712 First Ave. South, Seattle; C. C Conley, Mgr., 738 N. W. Glisan St., Portland; O M. MacNaMa, 5401 Telegraph Rd. Los Angeles Reps.: F. E. Crossman, 806 Beach Ave., Vancouver B. C., Canada; John W. Reynolds, 1481 S. Main St., Salt Lake City; Clyde P. Elliott, 661 Delaware St., Denver 4.

STERLING TRANSFORMER, 510 Driggs Ave., Brooklyn, N. Y.—Bernard Cahn Co., 420 Market St., San Francisco; Harry Gee Assoc., 14474 Dickens St., Sherman Oaks, Calif.

STERLING VARNISH CO., Haysville Borough, Sewickley, Pa.—**Western Fiberglas Co., 739 Bryant St., San Francisco 7; 4423 Fruitland Ave., Los Angeles 58, and 1915 First Ave. So., Seattle 4; Zork Hardware, El Paso, Texas.**

STERNER LIGHTING INC., Winsted, Minn. — Muth Richards, 1804 Bush St. So., Seattle; Sales Affiliates, 1250 Phelps St., San Francisco; C. A. Peterson Co., 5757 Huntington Dr., No., Los Angeles 32; Don Congdon, P. O. Box 7563, Denver 15.

STEVENS MFG. CO., INC., P. O. Box 1007, Mansfield, Ohio—Paul H. Potter & Associates, 2390 Foothill Blvd., Pasadena, Calif.

STICHT CO., INC., HERMAN H., 27 Park Place, New York City—James L. Kearns Co., 6055 N. E. Glisan St., Portland 16; T. R. Routh Co., 1209 Capuchino Ave., Burlingame, Calif.; The Kennematt Co., 14637 Bessemer St., Van Nuys, Calif.

STONCO ELECTRIC PRODUCTS CO., 333 Monroe Ave., Kenilworth. N. J.—The McLoughlin Co., 811 E. 14th Pl., Los Angeles; Bruce-Emmett Co., 830 S. E. Alder, Portland; Sid Yenter, 12103 E. Boone, Spokane; W. T. R. Saari, 1016 1st Ave. S., Seattle; Max D. White, 373 W. 3rd No., Salt Lake City; R. D. Florance & Assoc., 2052 Humboldt St., Denver; Stanley Sales Corp., 636 Potrero Ave., San Francisco.

STROMBERG-CARLSON, Div. of General Dynamics Corp., Special Products Div., 1400 N. Goodman, Rochester, N. Y.—Branch: 2231 S. Barrington St., Los Angeles; Lloyd Marsh Agencies, 2601 First St., Seattle.

STROMBERG DIVISION, GENERAL TIME CORP., 135 S. Main St., Thomaston, Conn. — Branches: 420 Market St., San Francisco 11, and 659 S. La-Brea Ave., Los Angeles 36. Exclusive Dealers: Eicher & Co., 5 W. Harrison, Seattle 99; E. L. Taylor, 2011 Glenarm St., Denver; Controls Eng. & Dist., Inc., 1150 East 5th South, Salt Lake City 10; New Mexico Sound Specialties, 3418 Lomas Blvd., N. E., Albuquerque; Northern School Supply, Great Falls, Mont.; Kelton Audio Equipment, 808 N. First St., Phoenix; Time and Sound Co., 2706 Main St., Riverside, Calif.

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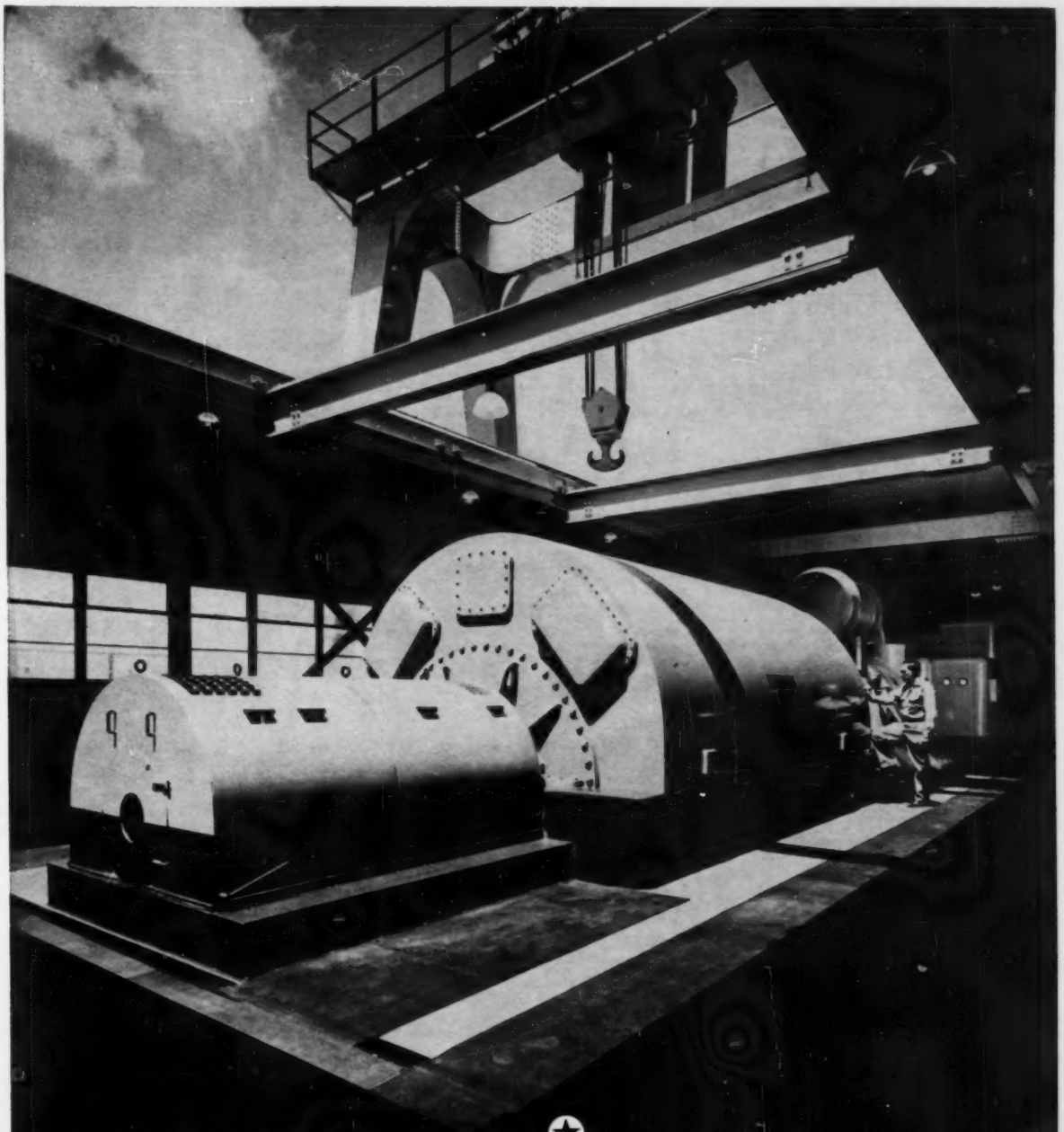

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TACO HEATERS, INC., 10305 Norwich Ave., Cupertino, Calif.—E. A. Starr Co., 12281 S. W. Boones Ferry Rd., Portland 19; The Koran Co., 106 Beeson Bldg., Edmonds, Wash.; Clyde Equip. Co., 920 Grayson St., Berkeley 10, Calif.; Lowrie & Co., 110 S. Euclid Ave., Pasadena, Calif.; Blackmore Sales, 2020 East 13th St., Tucson; Barnhart-Dwyer Eng. Co., 2500 Garfield Ave., S. E., Albuquerque; McCoy Sales Co., 845 Wyandot St., Denver 4; N. L. Chase Co., 1119 East 10th Ave., Anchorage, Alaska.

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TIERNEY ELECTRICAL MFG. CO., 2713 1st Ave. S., Seattle 4, Wash.

TIGERMAN ENGINEERING CO., 4332 N. Western St., Chicago, Ill.—Instrument Laboratory, Inc., 934 Elliot Ave., Seattle.

TIME-O-MATIC, INC., 1106 Bahls St., Danville, Ill.—Branch Office: 1205 Sunset Blvd., Los Angeles; Northwestern Agencies, Inc., 4130 First Ave. S., Seattle 4.

TITAN MFG. CO., INC., 701 Seneca St., Buffalo, N. Y.—Eric F. Chemnitz Co., 1096 Yerba Buena Ave., Emeryville and 4279 W. 3rd St., Los Angeles; Roy J. O'Donnell Co., 2256 So. Delaware St., Denver; James P. Stewart Co., 1633 N. W. 21st Ave., Portland 9.

TOBE DEUTSCHMANN CORP., Providence Highway, Norwood, Mass.—Branch Offices: 4144 Glencoe Ave., Venice, Calif.; Elecnair Co., 4113 W. Olive Ave., Burbank, Calif.; Paterson Co., 4949 Colorado Blvd., Denver, Colo.; Dave M. Lee Co., 2517 2nd Ave., Seattle 1; Garland-Affolter Eng. Corp., 58 Sutter St., San Francisco; Harris-Koetke Sales Co., 204 E. Hillsdale Blvd., San Mateo, Calif.

TOLEDO COMMUTATOR CO., Owosso, Mich.—Tri-State Supply Corp., 544 S. San Pedro St., Los Angeles 13, 554 Bryant St., San Francisco 7, and 325 Westlake No. Ave., Seattle.

TOLEDO PIPE THREADING MACHINE CO., 1445 Summit St., Toledo, Ohio—M. V. Cox, 7938 Wish Ave., Van Nuys, Calif.; F. W. Caruso, 3208 Camino Colorados, Lafayette, Calif.; W. H. Savory, 3718 W. Monroe, Seattle.

TOMIC SALES & ENG. CO., 20000 Sherwood Ave., Detroit, Mich.—Peter Shubunka, Western Dist. Sales Mgr., 125 Cambon Dr., San Francisco; H. T. Dutter, 625 S. Kingsley Dr., Los Angeles; Electrorep, Inc., 672 Townsend St., San Francisco; Manufacturing Equip. Co., 1413 East 20th St., Los Angeles; Norman Ross, P. O. Box 187, Scottsdale, Ariz.; Edward L. Peterson, 709 Bank of America Bldg., San Diego; Hal A. Gardner & Son, 2616 Second Ave., Seattle; Lynal R. Koroch, 7523 S. E. Tibbetts, Portland; Robert B. Cooper, P. O. Box 2402, Salt Lake City; Ora Fleischer, 1700 East 15th St., Denver; Don J. Mackey & Assoc., P. O. Box 988, Albuquerque.

TORK TIME CONTROLS, INC., 1 Grove St., Mount Vernon, N. Y.—Allied Industries, 412 Seaton St., Los Angeles 13; Freeman C. Scharr, 2103 Western Ave., Seattle; Stevens Sales Co., 1482 Major St., Salt Lake City; L. S. Reed & Co., 1018 Lawrence St., Denver 4; Fred D. Benz Co., 520 4th St., San Francisco; Matt Cabot & Associates, P. O. Box 3708, Honolulu, Hawaii.

TOUCH-PLATE MFG. CORP., Box 1970, Long Beach, Calif.—L. S. Reed & Co., 1018 Lawrence St., Denver; Sterling Equip. Co., 320, 2nd & Cherry Bldg., Seattle; Stanley Sales Corp., 636 Potrero Ave., San Francisco 3; James A. Setchell, 7915 Nichols St., Lemon Grove, Calif.; J. R. Christensen, 249 East 5th South, Salt Lake City; Larry Haneberg, P. O. Box 2903, Honolulu, Hawaii.

TRANSANDEAN ASSOCIATES, INC. — Maydwell & Hartzell, Inc., in following cities: 870 Tennessee St., San Francisco 7, 6400 Corvette St., Los Angeles, 206 W. Island Ave., San Diego, 120 S. 29th St., Phoenix, P. O. Box 415, Medford, 2318 N. W. Vaughn St., Portland, 1216 Poplar Place South, Seattle, 121 S. Monroe St., Spokane, 602 S. Arizona St., Butte, and 806 East 16th St., Tucson.

TRENT, INC., 201 Leverington Ave., Philadelphia, Pa. — Eicher & Co., 5 W. Harrison, Seattle 99; Western Automation, Inc., 653 S. Melrose Ave., Placentia, Calif.; Earle C. Call & Associates, 1290 Bayshore Blvd., Burlingame, Calif.

TRIANGLE CONDUIT & CABLE CO., INC., Triangle & Jersey Aves., New Brunswick, N. J.—Rex E. Larsen, 6490 Fleet St., Los Angeles 22; Robert E. Wallace, 2415 17th St., San Francisco 10; E. C. Glandt, 1201 4th Ave. S., Seattle 4.

TRIANGLE MFG. CO., 2981 E. Lafayette Ave., Detroit. Mich.—John J. Logue, P. O. Box 81, San Carlos, Calif.; Chester L. Duke, 3317 N. 31st St. Tacoma 7; Mathews & Associates, 9614 W. 56th Place, Arvoda, Colo.; Silva & Donovan, 1524 East 15th, Los Angeles.

TRIBORO ELECTRIC CORP., 110 Waterbury St., Brooklyn 6, N. Y.—Irwin Kudler, 1737 S. Fairfax Ave., Los Angeles.

TRICO FUSE MFG. CO., 2948 N. 5th St., Milwaukee Wis.—Maddox Sales Co., 914 East Third St., Los Angeles 13 and 5709 19th Place, Phoenix; P & M Distributing Co., 2186 N. W. Wilson, Portland 10; H. M. Denny Co., 3410 16th Ave. West, Seattle 99.

TRINE MFG. CORP., 1430 Ferris Place, New York City 61, N. Y.—Howard & Goepp Co., 1301 6th St., San Francisco; Hayjax Co., 436 Colyton St., Los Angeles 13.

TRIPLETT ELECTRICAL INSTRUMENT CO., 286 Harmon Road, Bluffton, Ohio—James J. Backer Co., 221 W. Galer St., Seattle; Moulthrop & Hunter, 165 Eleventh St., San Francisco; Howard Saul & Associates, 5015 San Vincente Blvd., Los Angeles; F. Y. Gates Co., 200 S. Main St., Salt Lake City; Shefler-Kahn Co., 2017 North 7th St., Phoenix; Hastin Sales Corp., 235 Cooke St., Honolulu, Hawaii.

TRI-POINT INDUSTRIES, 175 IU Willets Rd., Albertson, N. Y.—Alisco Co., 58-22 West Washington Blvd., Culver City, Calif. Exclusive distributor.

TRIPPE MFG. CO., 133 N. Jefferson St., Chicago, Ill.—Gene Wohler, 158 W. Pico Blvd., Los Angeles 15; Piet V. Rollan-Det, 1132 N. W. Glisan St., Portland 9; John J. Delemetter, 8955 Cole Dr., Arvada, Colo.; Burt Schwartz, 2444 30th St., San Diego 4; Don Farmer, 4112 Alameda de Las Pulgas, San Mateo, Calif.

TROJAN RECTIFIER & EQUIP. CO., 1 Mason Place, Lancaster, N. Y.—Trojan, Inc., 1125 Mariposa St., San Francisco.

TROMBETTA SOLENOID CORP., 329 N. Milwaukee St., Milwaukee, Wis.—Western Electro Mechanical Co. Inc., 300 Broadway, Oakland 7, Calif.; Graybar Electric Co., Los Angeles 54; Rundel Electric Co., 230 Adrian Road, Milbrae, Calif.; Wm. F. Carmody, 1731 First Ave., South, Seattle 4.

TRUCK EQUIPMENT CO., 3963 Walnut St., Denver, Colo.—(Now TRUCO, Denver.)

TRUCO, DENVER, 3963 Walnut, Denver, Colo.—Washington and Oregon: Robblee Utilities Equip. Co., Seattle. Northern California: FWD Pacific Co., San Francisco. Southern California: Calavar Corp., Los Angeles. Ariz., Utah and Idaho: W. H. Pingree Co., Salt Lake City. Foreign Export: Rocky Mountain Export Co., Denver.

TUCKER SNO-CAT CORP., P. O. Box 888, Medford, Oregon—Calavar Corp., 2700 S. Broadway, Los Angeles; FWD Pacific Co., 850 Harrison St., San Francisco.

TUNG-SOL ELECTRIIC, INC., 1 Summer Ave., Newark, N. J.—Branch: 8575 Washington Blvd., Culver City, Calif.; Don Merritt Co., 1320 Prospect St., Seattle 9; James H. Blinn Co., 841 Delaware St., Denver 4.

TURNER ELECTRIC CORP., 9510 St. Clair Ave., East St. Louis, Illinois—Carlson Sales, Inc., 1201 Dexter, Seattle, 935 N. W. 12th, Portland, and Butte, Mont.; R & M Sales Co., 2214 S. Clayton St., Denver 10; Industrial Eng. & Equip. Corp., 2975 Wilshire Blvd., Los Angeles.

TWECO PRODUCTS CO., INC., 1450 S. Masley, Wichita, Kansas—Branch: 27 E. Main, Los Gatos, Calif. Products distributed by all welding supply distributors in principal cities on West Coast.

TYPHOON AIR CONDITIONING DIV., Hupp Co., 505 Carroll St., Brooklyn, New York—Branch: 2206 S. Hill St., Los Angeles; Bett Co. Inc., 1075 Galapago St., Denver; Lanco, 105 Eastlake Ave., Seattle; A. A. Maycock Co., 330 West 7th St. South, Salt Lake City.

U C LITE MFG. CO., 1050 W. Hubbard St., Chicago 22, Ill.—S. H. Babcock, 3573 Pierce St., San Francisco; J. K. Johnston, P. O. Box 4274, Portland; E. J. Imhof & Associates, 3102 Silverwood Dr., Los Alamitos, Calif.; Tom Deskin, c/o John Carder, Jr., Co., P. O. Box 808, Albuquerque; Strong & Humphrey, 110 Yuma, Denver.

ULTRASONIC INDUSTRIES, 141 Albertson Ave., Albertson, Long Island, N. Y.—Branch: 4959 Weeks, San Diego, Calif.; Speedometer Service & Instrument, 537 N. W. 11th St., Portland; Marial Electro-Sonics, Inc., P. O. Box 185, Burbank, Calif.; Ralph Lundy, 1067 Oak St., Redwood City, Calif.

ULTRA-VIOLET PRODUCTS, INC., 5114 Walnut Grove Ave., San Gabriel, Calif. — California Ultraviolet, 420 Market St., San Francisco; Wm. A. McGuire, 164 So. Central Ave., Los Angeles; Thomas Clarey, 350 Ocean Ave., San Francisco; Neil Winikoff, 2700 Beacon Ave., Seattle 44.

UNDERGROUND PRODUCTS, 12801 Inkster St., Livonia, Mich.—Arthur & Allen, 420 Market St., San Francisco; Allied Industries, 412 Seaton Ave., Los Angeles; E. A. Will, 534 First Ave. S., Seattle.

UNGAR ELECTRIC TOOLS, INC., 1475 E. El Segundo Blvd., Hawthorne, Calif.—E. L. Berman Co., Div. of Hodges & Glomb, Inc., 921 Bryant St., San Francisco; James J. Backer Co., 221 West Galer St., Seattle 99; Koether-Cox Co., 1325 So. Inca St., Denver 23; Ungar Sales Associates, 9925 Venice Blvd., Los Angeles 34.

UNIMATIC CORP., Sherwood Lane, Caldwell, N. J. —Stretton Industrial Sales, 2025 N. Marrianna Ave., Los Angeles; Neil Winikoff, 2700 Beacon, Seattle.

UNIMAX SWITCH DIV., THE W. L. MAXSON CORP. —(See Maxson Corp., W. L.)

UNION CARBIDE PLASTICS CO., Div. of Union Carbide Corp. (See Silicones Division), 270 Park Ave., New York City 17—Branch Office: 2770 Leonis Blvd., Los Angeles 58, and 22 Battery St., San Francisco 6.

UNION INSULATING CO., INC., Parkersburg, West Va.—Lynn & Brooks, 3055 Wilshire Blvd., Los Angeles; 1000 Fourth Ave. So., Seattle 4, and 1485 Bayshore Blvd., San Francisco.

UNION METAL MFG. CO., THE, 1432 Maple Ave. N. E., Canton 5, Ohio — Branch Offices: R. G. Vanden-Boom, Western District Manager, 2320 Dominguez St., Long Beach 1, Calif.; C. G. Strom, Northern California Dist. Mgr., 1957 Chestnut St., San Francisco 23; G. W. Kolling, Northwestern Dist. Mgr., 2035 S. W. 58th St., Portland 1; C. H. Cozodd, Mt. States Dist. Mgr., 2700 West Evans Ave., Denver 19. (See ad, p. 73)

UNISTRUT PRODUCTS CO., 933 W. Washington Blvd., Chicago 7, Ill.—District Office: Unistrut Products Co., P. O. Box 1293, Beverly Hills, Calif. Western Specialty Co., 2200 W. Willetta, Phoenix; Glenmart Co., Inc., 2850 Tanager Ave., Los Angeles 22; Unistrut Northern California, 2547 9th St., Berkeley 10, Calif.; Unistrut Div., Pace-Turpin & Co., 726 South 3rd West St., Salt Lake City 1; Unistrut Div., The Brower Co., 114 Virginia St., Seattle 1, and 1633 N. W. 21st St., Portland; Unistrut Western, Inc., 601 S. Jason St., Denver; International Division, U. S. Industries, P. O. Box 300, Honolulu, Hawaii.

UNITED ELECTRIC CONTROLS CO., 85 School St., Watertown 72, Mass.—Western Electro-Mechanical Co., 300 Broadway, Oakland; Sales Engineers, Ltd., 7919 Monroe St., Paramount, Calif.; R. G. Davis Co., Box 3304, Alcott Sta., Denver 12; Daniel A. Quinn, 9322 Vineyard Court, Bellevue, Wash.; Alaska and Hawaii serviced through home office.

UNITED LIGHTING & CEILING CO., 2828 Ford St., Oakland 1—General Electric Supply, all Offices northern and southern California; California Elec. Supply, San Francisco. Representatives: Frank Bran Co., Los Angeles; Lighting Associates, San Francisco; Barney Hartley, Phoenix.

UNITED POWER CONTROL CORP., 3001 N. Starr St., Tacoma 2, Wash.—Earl S. Condon Co., 3450 Wilshire Blvd., Los Angeles.

UNITED STATES BORAX & CHEMICAL CORP., PACIFIC COAST BORAX DIV., 630 Shatto Place, Los Angeles, Calif.—Branch Offices: N. H. Shorey, 1504 N.W. Johnson St., Portland; D. G. Austin, 1339 Judson St., Longmont, Colo.; H. H. Schmitt, 1402 Kelowna Court, Sunnyvale, Calif.

U. S. ELECTRICAL MOTORS, INC., 200 E. Slauson, Los Angeles, Calif.—Branch Offices: 564 4th St., San Francisco; 3427 4th Ave. S., Seattle; 155 Van Ness, Fresno, Calif.; 114 E. Roosevelt St., Phoenix; 748 Kilby Ct., Salt Lake City 11; 1652 Franklin St., Denver 18; P. O. Box 2365, Portland 14; 1817 H St., Bakersfield, Calif.; 1219 30th St., Sacramento 16; 6547 N. Pershing Ave., Stockton.

U. S. ELECTRICAL TOOL CO., 3640 Llewellyn, Cincinnati, Ohio; Murray Sales Co., 1110 E. Pike St., Seattle 22; Bax & Co., 1317 Delaware, Denver 4; A. E. Bottenfield, 446 N. LaCienega, Los Angeles; Phil Payton, 1790 34th Ave., San Francisco 22.

U. S. GAUGE DIV., Am. Mach. & Metals, Sellersville, Pa.—Branch Office: 11973 San Vicente Blvd., Los Angeles 49; 1336 No. Carolina Ave., Burlingame, Calif. John S. Page Co., 570 Coventry Rd., Berkeley; W. R. Ladewig Co., 5608 E. Washington Blvd., Los Angeles 22; McCoy Sales Co., 845 Wyandot, Denver 4; Instrument Laboratory, Inc., 934 Elliott Ave. W., Seattle 99; E. C. Cooley Co., 1186 Folsom St., San Francisco 3; Welding Industrial Products, Ltd., 137 Makaloa St., Honolulu.

U. S. INSTRUMENT CORP., P. O. Box 1191, Charlottesville, Va.—Branch: Harry L. Backford, P. O. Box 398, Palo Alto, Calif.; Graybar Electric Co., Inc., all major cities.

U. S. RUBBER CO. (Mechanical Goods Div.), 1230 Avenue of the Americas, New York City, N. Y.—Branch Offices: D. L. Reid, Reg. Mgr., and E. G. Morrill, Dist. Mgr., Soto and East 46 th St., Los Angeles; W. I. Butler, Dist. Mgr., 6025 Third St., San Francisco 24; R. J. Corey, Dist. Mgr. in Portland and Seattle, 5900 1st Ave. South, Seattle 24, and 630 N.W. 10th Ave., Portland 9; W. E. Larsen, Dist. Mgr. in Salt Lake and Denver, 4800 Colorado Blvd., Denver and 160 Motor Ave., Salt Lake City.

UNIVERSAL ELECTRIC CO., 300 Main St., Owosso, Mich.—Branch Office: 7543 Santa Monica Blvd., Los Angeles; Gardner Dist. Co., 1827 Broadway, Seattle 2.

UNIVERSAL FASTENINGS CO., 331 Winston St., Los Angeles 13, Calif.—Howard & Goepp Co., 1301 Sixth St., San Francisco 7.

UNIVERSAL MOTOR CO., 526 Universal Dr., Oshkosh, Wis.—Shepherd Machinery, 3400 S. San Gabriel River Parkway, East Los Angeles; Thomas A. Short Co., 3430 Wood St., Oakland; Harmath Elec. & Mfg. Co., 2745 West Coast Highway, Newport Beach, Calif.; U. S. Elec. Plants, P. O. Box 2052-Sta. V, Los Angeles 3; Andrews Machinery of Wash., 3640 E. Marginal Way, Seattle 4; Pacific Marine Supply Co., 1224 Western Ave., Seattle 1; Northern Electric Co. Inc., 314 Bell St., Seattle; Parons Electric, Juneau, Alaska; Balzar Machinery Co., 2136 S. E. 8th St., Portland.

UNIVERSAL MFG. CORP., 29-51 East Sixth St., Paterson 4, N. J. — Branch: 4402 W. Jefferson Blvd., Los Angeles; Bruce-Emmett Co., 830 S. E. Alder St., Portland; Harry Sunshine, 1235 Shafter St., San Mateo, Calif.; Abbott Sales Co., P. O. Box 13117, Phoenix; James H. Blinn Co. Inc., 841 Delaware St., Denver 4; Al Cohen, 8123 W. 4th St., Los Angeles 48; Larry Girard Co., 2030 E. Broadway, Tucson, Ariz.; Hugh L. Barglon Co., P. O. Box 3679, Honolulu.

UNIVERSAL POLE BRACKET CORP., P. O. Box 8454, Houston, Texas—Maydwell & Hartzell, Inc., 870 Tennessee St., San Francisco 7, 6400 Corvette St., Los Angeles, 206 W. Island Ave., San Diego, 120 S. 29th St., Phoenix, P. O. Box 415, Medford, 2318 N. W. Vaughn St., Portland, 1216 Poplar Place South, Seattle, 121 S. Monroe St., Spokane, 602 S. Arizona St., Butte, and 806 East 16th St., Tucson.

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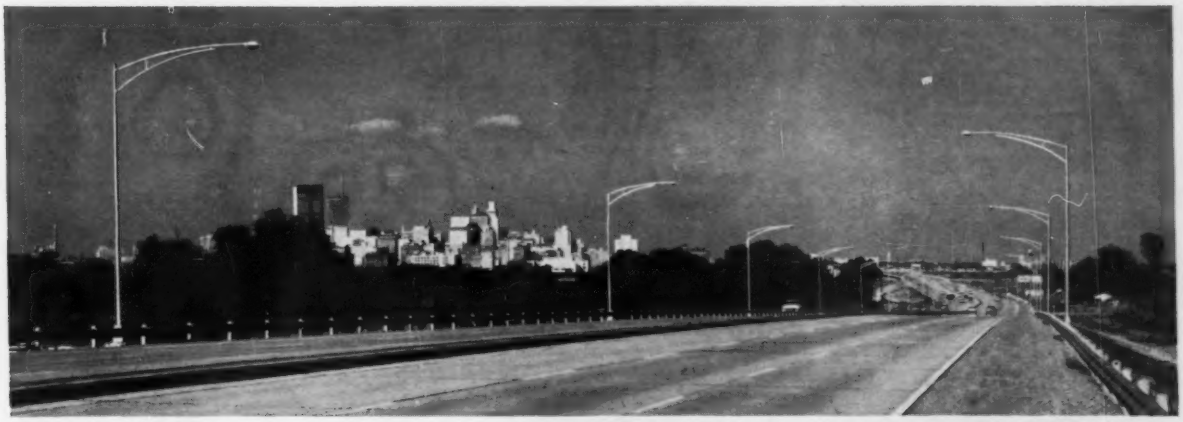

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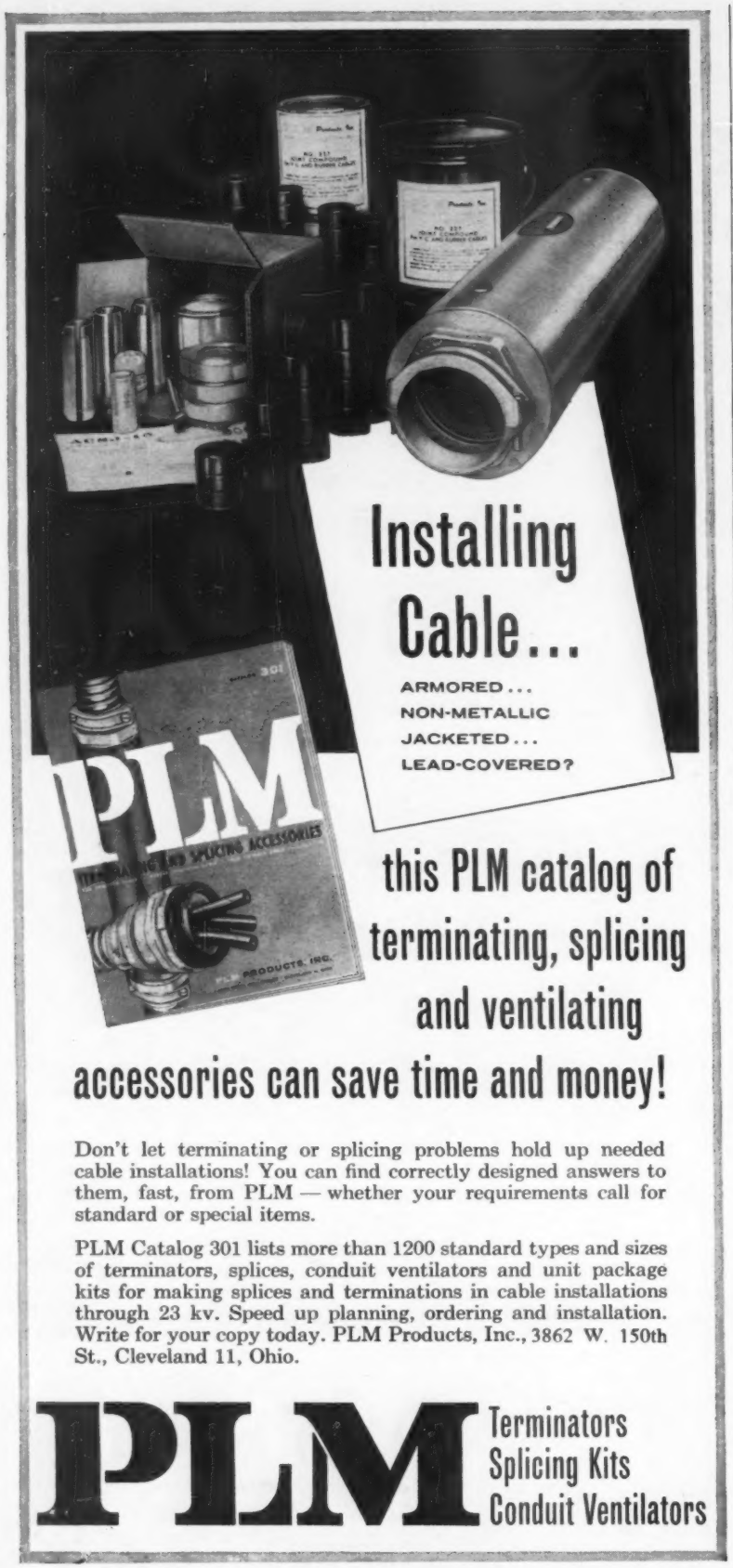

UNIVERSAL WINDING CO. (See Leesona Corp.)

UNIVERSAL WIRE & CABLE CO., 2939 N. Paulina, Chicago 13, Ill.—Branch Office: 2800 E. 12th St., Los Angeles 23. The Curry Co., 190 Lombard St., San Francisco.

UNIVERSITY LOUDSPEAKERS, INC., 80 S. Kensico Pl., White Plains, N. Y.—Don H. Burcham Co., 510 N. W. 19th Ave., Portland; Hodges & Glomb, 921 Bryant St., San Francisco; Marshank Sales Co., 7422 Melrose Ave., Los Angeles; Stevenson Co., Box 17495, Salt Lake City.

UPTEGRAFF MFG. CO., R. E., P. O. Box 182, Scottdale, Pa.—Matzinger & Johnson, 1329 Willow St., Los Angeles; Fred Guthrie, 420 Market St., San Francisco 11; J. E. Edstrom, 1224 S.W. Morrison St., Portland 5; Electrical Sales Co., P. O. Box 49, Sugarhouse Sta., Salt Lake City; Central Station Equip. Co., 2323 Aviation Highway, Tucson; Colorado Western Sales Co., P. O. Box 4133 South Denver Sta., Denver.

USCO POWER EQUIPMENT CORP., 828 No. 36th Way, Birmingham, Ala.—Loren E. Smith, 1801 Somerville N. E., Albuquerque; Central Station Equip. Co., 2323 Aviation Highway, Tucson, Ariz.

UTICA DROP FORGE & TOOL CORP., 2415 Whitesboro St., Utica 4, N. Y.—Dillon Stevens & Co., 1348 Venice Blvd., Los Angeles 6, and 420 Market St., San Francisco; L. B. Putnam Co., 2013 Welton, Denver; Gustav E. Engelbrekt, Seattle, Wash.

UTILITIES LINE CONSTRUCTION CO. (See Asplundh Chipper Co.)

UTILITIES SAFETY SUPPLY CO., INC., Jefferson St. & Highway 50, Lee's Summit, Mo.—Hollywood Wholesale Elec., 6820 Romaine, Los Angeles; Elec. Supplies, 398 Broadway, El Centro; Industrial Elec. Service, 960 4th St., Arcata, Calif.; Kitchen Co., 145 West St., Reno; Tinling & Powell, E. 709 Sprague, Spokane; Love Elec., 1914 Market, Tacoma; United Elec. Supply, 117 W. 4th South St., Salt Lake City.

UTILITIES SERVICE COMPANY, North 7th St. Extension at Grape St., Allentown, Pa. — Leonard Slusser 318 Dooly Bldg., Salt Lake City; Hamilton Associates, 1236 Elati St., Denver; W. E. Kirk Co., 415 Wall St., Los Angeles 13; Hamilton Associates, 1236 Elati St., Denver 4; Smith Sales Co., P. O. Box 1461, Albuquerque.

UTILITY BODY CO., 1530 Wood St., Oakland 7, Calif. — Jumbo Equip. Co., 1012 S. Los Angeles St., Los Angeles 13; Gillespie Equip. Inc., 1947 N. W. Overton St., Portland; Utility Truck Equip. Co., 1950 31st St., Denver 5; Truck Welding & Equip. Co., 739 9th Ave. N., Seattle; Hobbs Trailer Sales Co., 1708 E. Paisano Dr., El Paso; Evergreen Truck Equip. Co., 3626 E. Trent, Spokane; Arizona Cedar Rapids Co., 1802-10 W. Jackson, Phoenix; Rio Grande Sales & Service, 1901 Broadway, N. E., Albuquerque; Graver Tank & Mfg. Co., P. O. Box 479, Salt Lake City 10, and 420 N. Curtis Rd., Boise, Ida.; Elliott Equip. Co., P. O. Box 3263, Honolulu, Hawaii.

UTILITY TOOL & BODY CO., 151 E. 16th, Clintonville, Wisc.—Arizona Cedar Rapids Co., 1726 W. Jackson St., Phoenix; FWD Pacific Co., 850 Harrison St., San Francisco; N. C. Ribble Co., 1304 N. 4th St., Albuquerque; The Carrington Co., 91 Columbia St., Seattle 6; Feenaughty Machinery Co., 112 S. E. Belmont St., Portland 14; Cavalar Corp., 2700 S. Broadway, Los Angeles 7; MacDonald Equip. Co., 5300 Colorado Blvd., Denver 16; Kimball Equip. Co., 1846 S. 2nd St., Salt Lake City.

UTILITY TRANSFORMERS & EQUIP. CO., 702 Lynn Ave., Baraboo, Wis.—Carlson Sales, Inc., 1201 Dexter Ave., Seattle 9, and 935 N. W. 12th Ave., Portland; Marshall R. Elmore & Co., 140 Little Flower Road, El Paso; Control Switches, 6214 W. 89th St., Los Angeles; Electric Locater & Sales Co., 3921 Delamar N. E., Albuquerque; Paul S. Everley, 550 9th St., San Francisco.

VACO PRODUCTS CO., 317 E. Ontario St., Chicago 11, Ill.—Samuel N. Stroum, 621 Michigan, Seattle; K. W. Kutter, 1130 Jersey, Denver; Federated Sales Co., 9020 Las Tunas Dr., Temple City, Calif.

VAL-SPEK INC., 14718 Arminta St., Van Nuys, Calif. —Roy Silverman, 1316 N. Laurel, Los Angeles 46; H. G. Rising, Inc., 151 N. Vermont, Los Angeles; Wesco Electrical Distributors, 184 So. Western Ave., Los Angeles 4.

VAPOR RECOVERY SYSTEMS CO., Alameda and Long, Compton, Calif.—Branches: Portland, Seattle and Honolulu.

VAREC, INC. (See Vapor Recovery Systems Co.)

VARFLEX CORP., 512 W. Court St., Rome, New York —Western Fibrous Glass Products Co., 4423 Fruitland Ave., Los Angeles 58; 739 Bryant St., San Francisco 7; 2915 First Ave. So., Seattle 4 and 1611 N.W. Northrup St., Portland; Electrical Specialty Co., 2820 E. 12th St., Los Angeles 23, 158-168 Eleventh St., San Francisco 3, 2442 First Ave. South, Seattle 4, 2026 Arapahoe St., Denver.

VARI CORP., 2825 Cedar Ave., Minneapolis, Minn. —R. Del Bucchia & Assoc., 179 So. Mayfair Ave., Daly City, Calif.; Snap-on Tools Corp., 115 E. 1717 W. 8th St., Los Angeles 17, 2605 Market St., Oakland 7, 3229 E. Washington St., Phoenix, 1721 S. Main St., Salt Lake City 15, and 4503 8th Ave. N. W., Seattle 7.

VEEDER-ROOT, INC., 70 Sargeant St., Hartford, Conn.—Branch Office: Plant and Office: 3730 Park Place, Montrose, Glendale, Calif.; Milligan-Spike Co., 1485 Bayshore Blvd., San Francisco 4; Fairman B. Lee Co., 241 Central Bldg., Seattle.

VELOCITY POWER TOOL CO., 201 N. Braddock Ave., Pittsburgh, Pa.—Direct Factory Rep.: John E. Hober, 1606 Charlotte Ave., Concord, Calif. Commissioned Rep.: Pacific Electric Sales Co., 140 S. E. 28th Ave., Portland 15. Graybar Electric Co., Inc., and General Electric Supply Co., all principal cities.

VERD-A-RAY (Penetray Corp.), 615 Front St., Toledo, Ohio—Branch Office: Leonard Holzman, 1328 S. Santa Fe, Los Angeles; Irving Carson, 420 Market St., San Francisco; P. Isaacson, 306 Enterprise Bldg., Denver; William Ruffner, 218 Builders Exchange Bldg., Portland; Seymour Saunders, 115 New Montgomery St., San Francisco; Wm. Wexler, Dexter Horton Bldg., Seattle; Lewis H. Colby, 2999-D Kalakau, Honolulu, Hawaii.

VERSEN CO., KURT., 4 Slocum Ave., Englewood, N. J. — Penning Lighting, 2323 Tnd Ave., Seattle; Ben T. Clark, 1421 Court Place, Denver 4; McGillan Sales Co., P. O. Box 4013, Albuquerque; Jim Shirreffs Co., 3601 S. Broadway Place, Los Angeles; Guy de Leuze Co., 1923 Bryant St., San cisco; W. C. Osborn, P. O. Box 6734, Phoenix; David Morrill, 192 North 1st Ave., Farmington, Utah.

VICTOR INSULATORS DIVISION, I-T-E Circuit Breaker Co., Maple Ave., Victor, New York—Maydwell & Hartzell, Inc., in following cities: 870 Tennessee St., San Francisco 7, 6400 Corvette St., Los Angeles, 206 W. Island Ave., San Diego, 120 S. 29th St., Phoenix, P. O. Box 415, Medford, 2318 N. W. Vaughn St., Portland, 1216 Poplar Place South, Seattle, 121 S. Monroe St., Spokane, 602 S. Arizona St., Butte, and 806 East 16th St., Tucson Branch Office: 655 Broadway Bldg., Denver 3.

VICTOR SPECIALTIES, 775 Main St., New Rochelle, N. Y.—Stanley Sales Corp., 636 Potrero Ave., San Francisco; Hayjax Co., 436 Colyton St., Los Angeles; George W. Hill, 14 E. Mitchell Dr., Phoenix; John Elggren, 212 W. Fourth So., Salt Lake City; Pacific Electric Sales Co., 140 S. E. 28th Ave., Portland 14.

VIRDEN LIGHTING DYNAMICS, INC., 300 No. Baldwin Park Blvd., City of Industry, Calif.—Donald S. Gleason & Associates, 4710 University Way, Seattle; Clyde E. Dodd, 628 No. Russett, Portland; Gordon McCampbell, 1485 Bayshore Blvd., San Francisco; Al Burch, 5391 Priscilla Lane, Sacramento; George aBker, 551 Pineview Dr., San Jose; Ken Blaney, 4004 Mt. Brundage, San Diego.

VISA, 2227 North 31st, Milwaukee 8, Wis.—Sales Affiliates, 1250 Phelps St., San Francisco.

VOLTARC TUBES, INC., 44 Cross St., Norwalk, Conn. —Representatives: Bruce-Emmett Co., 1016 1st Ave. So., Seattle 4 and 830 S. E. Alder St., Portland; Floyd Trombley, 11733 Carson Blvd., Artesia, Calif.; Patterson Sales Co., 420 Market St., San Francisco. Distributors: Regional Sign Supply Co., 3052 No. 16th St., Phoenix; Coastal Sales Co., Los Angeles, Portland, Seattle, and Spokane; Denco Sales Co., Oakland, Salt Lake City, and Denver; Electric Supplies Distr. Co., El Centro and San Diego; Interstate Electric Co., Los Angeles; Montroy Supply Co., Los Angeles; Peterson Supply Co., San Francisco and Portland; Underwood Supply Co., Los Angeles; Regional Sign Supply, Inc., Salt Lake City; Murphy Supply Co., Denver; English Sign Supply, East 6902 1st Ave., Spokane, Wash.; Regional Sign Supply Co., 3052 North 16th St., Phoenix.

VORNADO CENTRAL AIR CONDITIONERS, O. A. Sutton Corp., 1812 2nd St., Wichita, Kan. — Airgard Dist., 774 Geary, San Francisco; Sues, Young & Brown, Inc., 3636 S. Bronson Ave., Los Angeles; Slakey Brothers, Inc., Modesto, Oakland, Sacramento and San Jose, Calif.; A. Y. McDonald Mfg. Co., Cheyenne, Wyo., and Denver, Colo.; Electric Supplies and Dist. Co., El Centro, Calif.; Electrical Equip. of Arizona, Phoenix; Colonial Fuel & Appliance Co., Spokane.

VULCAN ELECTRIC CO., 88 Holten St., Danvers, Mass.—Belilove Co., 420 Market St., San Francisco; J. C. McDougall Co., 520 First Avenue, South, Seattle; Cooper & Associates, Inc., 4143 Lankershim Blvd., No. Hollywood, Calif.; Speedster, Inc., 1215 Twelfth St., Denver.

WABASH MAGNETICS, INC. (formerly DeLuxe Coils, Inc.), First and Webster Sts., Wabash, Ind.—Philip H. Heckendorn, 803 Houseman St., La Canada, Calif.; Richard Legg Co., 1633 N. W. 21st St., Portland 9.

GEO. A. GRAY COMPANY

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CONDUIT NIPPLE MFG. CO.—Nipples, elbows, couplings, running thread.
GRAYSIX COMPANY—Outlet box covers, special cord sets.
HENDERSON ELECTRIC COMPANY—Conduit bending tools.
McGILL MFG. CO. — Levolier switches, lamp guards, portables, lamp changers.
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WELLER ELECTRIC CORP., 601 Stones Crossing Rd., Easton, Pa.—Northwestern Agencies, 4130 First Ave. South, Seattle 4; Conners, Inc., 375 Birch St., Denver; John W. Hand, 400 East 40th Ave., San Mateo, Calif.

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WHEELER ELECTRONIC CORP., 150 E. Aurora St., Waterbury, Conn.—Mueller Electronic Sales, 3225 Exposition Place, Los Angeles 18; Les Taufenbach, 4860 Valley Blvd., Los Angeles.

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WHITING CHAIN CO., 237 Whitney St., Hartford 2, Conn.—Branch Offices: San Francisco, Los Angeles, Portland, Seattle, Salt Lake City.

WHITING CORPORATION, 157th and Lathrop Ave., Harvey, Ill.—Branch Offices: 12631 E. Imperial Highway, Santa Fe Springs, Calif.; 1326 Fifth Ave., Seattle 1.

WHITNEY BLAKE CO., 1565 Dixwell Ave., New Haven 14, Conn.—D. B. Evans, 653 Wildwood Lane, Palo Alto, Calif.; H. C. Mitchell, Jr., P. O. Box 4-9797, Los Angeles 49; Don Miksch, 5850 57th St., N. E., Seattle.

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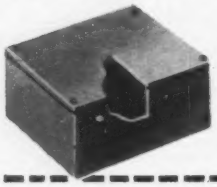
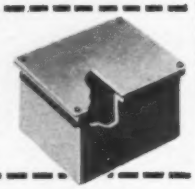


DUST-TIGHT AND WEATHER-PROOF
TYPE S
Surface mounted, 160 standard sizes plus others



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TYPE FF
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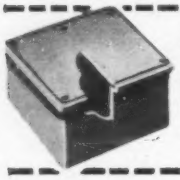

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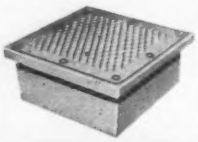
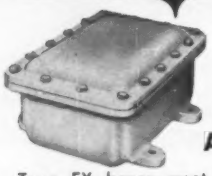
Flush mounted, 53 standard sizes plus others



DUST-TIGHT AND WEATHERPROOF
TYPE SW
— Checkered cover sidewalk boxes, flush mounted, 55 standard sizes plus others

EXPLOSION-PROOF HOUSINGS



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WILLSON PRODUCTS DIV. of Electric Storage Battery Co., 2nd and Wash. Sts., Reading, Pa.—R. E. Spear, 1602 Hamilton Ave., Palo Alto, Calif.; W. Fendrich, 11538 Aldea Ave., Granada Hills, Calif.; D. E. Woodhouse, 13046 Sherman Way, North Hollywood, Calif.

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WILSON RUBBER CO., Div. Becton, Dickinson & Co., 1200 Garfield Ave. S.W., Canton 6, Ohio—Branch Offices: 530 Howard St., San Francisco. Sold through distributors all cities. Linemen's Supply Corp. of Calif., 2704 Hill, Los Angeles 7, and 70 Townsend St., San Francisco; Best Linemen's Supply, 543 1st Ave. So., Seattle 4.

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Kortick Mfg. Co.
Line Material Industries, Div. McGraw-Edison Co.
Maddox Sales Co.
Maydwell & Hartzell, Inc.
National Elec. Div., H. K. Porter Co., Inc.
Pfaff & Kendall
Phillips & Edwards Elec. Corp.
Porcelain Products, Inc.
Randolph Engineering Corp.
Revere Elec. Mfg. Co.
Shirreffs Co., Jim
Stubbs Electric Co.
Transandean Associates, Inc.
Turner Electric Corp.
Universal Pole Bracket Corp.
Westinghouse Elec. Corp.
Westinghouse Elec. Supply Co.

Breakers, Air Circuit

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Appleton Electric Co.
Arhwel Electric, Inc.
Bellove Co.
BullDog Electric Products
The Frank H. Bran Co.
Campbell & George Co.
Crouse-Hinds Co.
Curry Co.
Darger Co.
Electric Sales Co.
Federal Pacific Elec. Co.
General Elec. Co.
General Elec. Supply Co.
Gorman, F. W.
Gough Industries, Inc.
Graybar Elec. Co., Inc.
Haight Co., Fred H.
Hauch Co., Ernst F.
Heinemann Elec. Co.
Hodges & Glomb
Incandescent Supply Co.
Ingalls Associates
I-T-E Circuit Breaker Co.
Lehl, H. G.
Line Material Industries, Div. McGraw-Edison Co.
Lyman, Oliver B.
Mears Elec. Co.
Martin & Son, Ray L.
Murray Mfg. Corp.
National Electric Div., H. K. Porter Co., Inc.
Nelson Electric Mfg. Co.

Nott, L. A.
Phillips & Edwards Elec. Corp.
Porter Co., Don
Randolph Industries
Rising, Inc., H. G.
Safety Switchboard Co., Inc.
Sangamo Elec. Co.
Slusser Co., L. M.
Smedley Assoc., A. B.
Square D Co.
Starr, Wally E.
Stevens Sales Co.
Stubbs Electric Co.
Wadsworth Elec. Mfg. Co.
Western Power Products, Inc.
Westinghouse Elec. Corp.
Westinghouse Elec. Supply Co.
Will, E. A.

Breakers, Oil Circuit

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Curry Co.
Delta Star Electric,
Div. H. K. Porter Co., Inc.
The Electric Corp.
Federal Pacific Elec. Co.
General Elec. Co.
General Elec. Supply Co.
Gorman, F. W.
Gough Industries, Inc.
Graybar Elec. Co., Inc.
Incandescent Supply Co.
I-T-E Circuit Breaker Co.
Ingalls & Sons, C. E.
Kelman Power Circuit Breaker Div.
Line Material Industries,
Div. McGraw-Edison Co.
Lyman, Oliver B.
Murray Mfg. Corp.
Nelson Electric Co.
Phillips & Edwards Elec. Corp.
Randolph Industries
Rising, Inc., H. G.
Ryals Co., K. M.
Square D Co.
Stubbs Electric Co.
Western Power Products, Inc.
Westinghouse Elec. Corp.
Westinghouse Elec. Supply Co.

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Best Linemen's Supply Corp.
Blackburn Corp., Jasper
BullDog Electric Products
BullDog Elec. of LA
Burndy Corp.
Calrepco
Carder Co., John Jr.
Condon Co., Earl S.
E. B. Cook Co.
Dawson Co., Jim
Delta Star Elec. Div.
Porter Co. Inc., H. K.
Edstrom, J. E.
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The Electric Corp.
General Elec. Co.
General Elec. Supply Co.
Gough Industries, Inc.
Graybar Elec. Co., Inc.
Guthrie Assoc., Fred G.
Hamilton Associates
Hendrey Co., W. R.
Honn Co., George E.
Horning Sales, Bill
Incandescent Supply Co.
Industrial Eng &. Equip. Corp.
Insulator Dept., GE Co.
Ingalls Associates
Ingalls, Donald
I-T-E Circuit Breaker Co.
Kaiser Aluminum & Chem. Corp.
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W. E. Kirk Co.
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Matzinger-Johnson Co.
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Muth-Richards Co.
National Elec. Div.
Porter Co., Inc., H. K.
Nicholas, F. M.
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Pfaff & Kendall
Phillips & Edwards Elec. Corp.
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Rutkin Electrical Sales
Ryals Co., K. M.
Royal Elec. Mfg. Co.
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Schwager-Wood Corp.
Sierra Elec. Corp.
Slusser Co., Leonard M.
Smedley & Associates, A. B.,
Smith Sales Co.
Southern States Equip. Corp.
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Westinghouse Elec. Supply Co.
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Curry Co., The
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Electrical Fittings Corp.
Fisher Switches, Inc.
Gedney Electric Co.
General Elec. Co.
General Elec. Supply Co.
Graybar Elec. Co., Inc.
Heyman Mfg. Co.
Honn Co.. Geo. E.
Hodges & Glomb
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W. E. Kirk Co.
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Matzinger-Johnson Co.
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Ohio Brass Co.
O. Z. Electrical Mfg. Co.
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Pease Co., Fred A.
Phillips & Edwards Elec. Corp.
Pinco Div. Joslyn Mfg. & Supply
Porcelain Insulator Corp.
Porcelain Products, Inc.
J. G. Pomeroy Co.
Sierra Elec. Corp.
Simplet Electric Co.
Steel City Elec. Co.
Thomas Works, H. K. Porter Co., Inc.
Tri-State Supply Corp.
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Westinghouse Elec. Corp.
Westinghouse Elec. Supply Co.

Cabinets—Metal Framing
(See Enclosures.)

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Baxter Company
Benz Co., Fred D.
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Bruce-Emmett Co.
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BullDog Electric Products
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Cahn, Bernard
Calrepco
Chance Co., A. B.
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Columbia-Geneva Steel Div.
Cook Co., E. B.
Cope Div., Rome Cable Co.
Copperweld Steel Co.
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Cunningham & Son, R. E.
Curry Co., The
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Hendrey Co., W. R.
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Hubbard & Co.
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Cereske Co., William
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Div. Gen. Cable
Collyer Insulated Wire
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General Cable Corp.
General Electric Co.
General Electric Supply Co.
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Superior Cable Corp.
Triangle Conduit & Cable Co.
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Young & Co.. Robert A.

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Pacific Light Metals Foundry—Stringing Sheaves

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Griptite—Expanding Anchors

Hughes-Keenan—Skyworker Division—Hydraulic Manlifts

Powerland—Lightweight Handline Blocks and Snatch Blocks

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Prodelin, Inc.
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Royal Elec. Mfg. Co. Inc.
Sequoia Wire & Cable
Superior Cable Corp.

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Petersen Engineering Co.
Randolph Engineering Corp.

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Anaconda Wire & Cable
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Electrorep, Inc.
General Cable Corp.
General Elec. Co.
Hatfield Wire & Cable Div.
Okonite Co.
Paranite Wire & Cable
Phelps Dodge Copper Prod. Corp.
Roebling's Sons, John A.
Royal Electric Corp.
Royal Elec. Mfg. Co. Inc.
Triangle Conduit & Cable

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Anaconda Wire & Cable Co.
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Cahn, Bernard
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Carol Cable Div. Crescent Co.
Cereske Co., William
Circle Wire & Cable Co.
Clifton Conduit
Div. Gen. Cable
Collyer Insulated Wire Co.
Columbia Cable & Elec. Corp.
Columbia-Geneva Steel Div.
Earl S. Condon Co.
Copperweld Steel Co.
Curry Co., The
Dawson Co., Jim
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Electrorep, Inc.
Elggren Co., John
Ericsson Corp.
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Ettco Wire & Cable Corp.
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Graybar Elec. Co., Inc.
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Hodges & Glomb
Howe & Howe Sales
Imholt, W. B.
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Kaiser Aluminum & Chem. Corp.
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Marsh, J. W.
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F. M. Nicholas Co.
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Northwest Sales
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Pacific Utilities Supply Co.
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Phillips & Edwards Elec. Corp.
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Rising, Inc., H. G.
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Rocky Mt. Elec. Sales
Rome Cable
Div. Alcoa
Ross, David
Royal Elec. Mfg. Co. Inc.
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Royal Electric Corp.
Rubin Co., Walter
Rutkin Electrical Sales
Ryals Co., K. M.
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Sanderlin Co.
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Staible & Sons, Fred
Stroum, Samuel N.
Stubbs Electric Co.
Stumph, J. H.
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Triangle Conduit & Cable Co., Inc.
Tri-State Supply Corp.
United States Steel Corp.
Western Power Prods., Inc.
Western Insulated Wire & Cable
Westinghouse Elec. Corp.
Westinghouse Elec. Supply Co.
Young & Co., Robt. A.

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Ceilheat, Inc.
Curry Co.
EverWarm, Inc.
Graybar Elec. Co., Inc.
Howard & Goepp
Montgomery Brothers
Randolph Industries
Roberson, Inc.
Sheeter, Hugh X.
Jim Shirreffs Co.
Stubbs Elec. Co.

Cable, Pullers (See Pullers)

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Black, Ralph B.
Calrepco
Chalfant Products Co.
Cope, T. J., Div. Rome Cable Corp.
Glenmart Co. Inc.
Globe Co.
Graybar Elec. Co., Inc.
Honn Co., George E.
Husky Products, Inc.
Ingalls & Associates
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Johns-Manville
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H. K. Porter Co. Inc.
P-W Industries
Randolph Industries
Unistrut Products Co.

Canvas Equipment
Pacific Utilities Supply Co.

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Cahn, Bernard
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Hodges & Glomb
Incandescent Supply Co.
Kirk Co., W. E.
Knight Co., W. Bert
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Phillips & Edwards Elec. Corp.
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Silverman, Roy
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Stroum, Samuel N.
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Krotozyner, J. M.
Midwest Moulding & Mfg. Co.
Morganite, Inc.
Nash, A. W.
Northwest Sales & Eng.
Riggs Inc., C. E.
Stubbs Electric Co.
Tri-State Supply Corp.
Wesco Electrical Distributors
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Associated Carbon Products, Inc.
Carbon Eng. Corp.
Electrical Specialty Co.
Gratiot Co., C. B.
Helwig Carbon Products, Inc.
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Gray Co., Geo. A.
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Sperti-Faraday
Square D Co.
Trine Mfg. Co.
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Arthur & Allen
Bacon's Elecl. Equip.
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Bethea Co. Inc.
Black, Ralph B.
Blackburn Corp., Jasper
Brill Electric Sales
Burndy Corp.
Buchanan Elec'l Prod. Corp.
Carder, Jr., Co., John
A. B. Chance Co.
Copperweld Steel Co.
Delta Star Elec. Div.,
H. K. Porter Co., Inc.
The Electric Corp.
Electrical Fittings Corp.
Elggren, John E.
Federal Pacific Elec. Co.
General Electric Co.
General Electric Supply Co.
Gough Industries, Inc.
Graybar Elec. Co., Inc.
Hayiax Co.
Hill, George W.
Hodges & Glomb
Horning, William A.
Hubbard & Co.
Incandescent Supply Co.
Industrial Eng. & Equip. Co.
Ingalls, Donald E.
ITEE Co.
James R. Kearney Corp.
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W. E. Kirk Co.
Klein & Sons, Mathias
Kortick Mfg. Co.
Lapp Insulator Co.
Line Material Industries, Div.
McGraw-Edison Co.
Nicholas, F. M.
Osborn, W. C.
O. Z. Elec. Mfg. Co., Inc.
Pacific Utilities Supply Co.
Penn-Union Elec. Corp.
Pfaff & Kendall
Phillips & Edwards Elec. Corp.
Reynolds Metals Co.
Royal Elec. Mfg. Co. Inc.
Roebling's Sons Co., John A.
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Schow & Co., Robert F.
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Stephens, James D.
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Westinghouse Elec. Corp.
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Anderson Elec. Corp.
Arthur & Allen
Bruce-Emmett Co.
Curry Co.
The Electric Corp.
Electrical Fittings Corp.
General Electric Co.
General Electric Supply Co.
Graybar Elec. Co., Inc.
Hodges & Glomb
Honn Co., George E.
Imholt Co., W. B.
Incandescent Supply Co.
ITEECo
Nicholas Co., F. M.
Payne & Sloan, Inc.
Phillips & Edwards Elec. Corp.
Pomeroy Co., J. G.
Reed & Co., L. S.
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Westinghouse Elec. Corp.

Clamps, Dead Ending
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Arthur & Allen
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Bethea Co., Inc.
Blackburn Corp., Jasper
Brewer-Titchener Corp.
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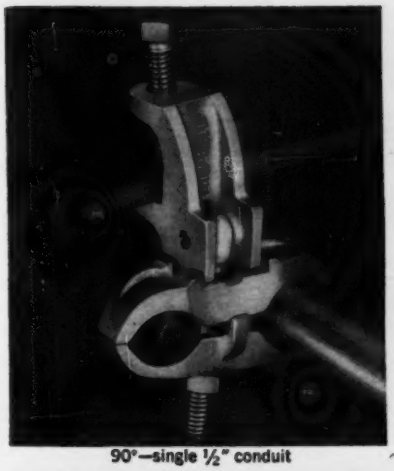
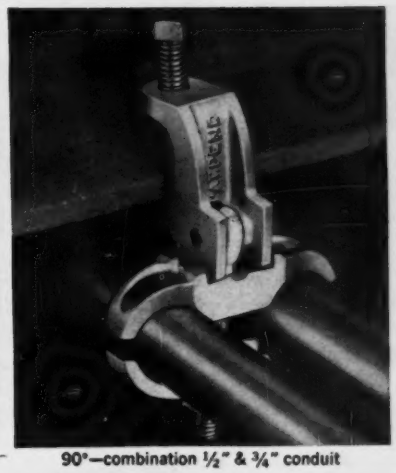
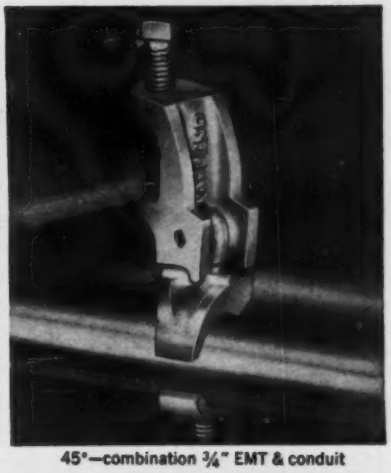


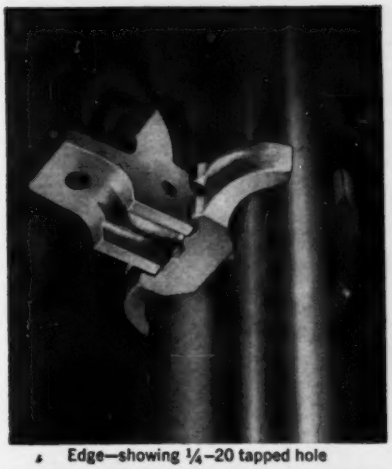
90°—single ½" conduit



90°—combination ½" & ¾" conduit



45°—combination ¾" EMT & conduit



Edge—showing ¼-20 tapped hole

Edge—showing use with ¼-20 rod

Edge—45°—single ½" conduit

Parallel—2—½" EMT

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Chance Co., A. B.
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Crouse-Hinds Co.
Delta Star Elec. Div., H. K. Porter Co., Inc.
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Fargo Mfg. Co.
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The Electric Corp.
Electrical Fittings Corp.
Fargo Mfg. Co.
Gedney Elec. Co.
General Elec. Co.
Graybar Elec. Co., Inc.
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Ingalls Associates
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Insulator Dept., GE Co.
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General Electric Co.
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Graybar Elec. Co., Inc.
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Matzinger-Johnson Co.
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Auto-Hot Stick Rentals

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Garnett Young & Co.
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General Eelectric Supply
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Tri-State Supply Corp.

Compounds, Anti-Condensation
Seculate
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Compounds, Inhibiting
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Anderson Co., Kenneth
Anderson Electric Corp.
Black, Ralph B.
Blackburn Corp., Jasper
Brewer Co. Inc., R. L.
Burndy Corp.
Chance Co., A. B.
Condon Co., Earl S.
Dawson Co., Jim
Electrical Products, Inc.
Eliggren Co., John E.
Hamilton Associates
Horning, Wm. A.
Honn Co., George E.
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Ingalls, Donald E.
Kearney Corp., James R.
Linzer Associates, Alfred E.
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Makinney (Hawaii)
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Nicholas Co., F. M.
Osborn, W. C.
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Peterson Co.
Polich, Inc., Andrew L.
Sales Engineers
Schow & Co., Robert F.
Shaffer & Nelson
Starr & Co., W. E.
Stephens, James D.
Stubbs Elec. Co.
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Electrical Specialty Co.
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General Cable Corp.
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General Electric Supply Co.
International Business Machines
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Minneapolis-Honeywell
North American Aviation
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Smedley & Associates, A. B.
Standard Instr. Corp.
T W R Computers Co.
Westinghouse Electric Corp.
White-Rodgers Co.

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Babcock & Wilcox
Backer Co., James J.
Cornell Dubilier Div., Federal Pac. Elec. Co.
Jasper Blackburn Corp.
Brown-Boveri Corp.
Burcham Co., Don H.
Electrical Specialty Co.
The Electric Corp.
Federal Pac. Elec. Co.
General Elec. Co.
General Elec. Supply Co.
Incandescent Supply Co.
Long & Associates
Marsh, J. W.
Motorman Supplies
Nott, L. A.
Phillips-Edwards Elec. Corp.
Rising, Inc., H. G.
Sangamo Elec. Co.
Silverman, Roy
Smedley & Assoc., A. B.
Stroum, Samuel N.
Stubbs Electric Co.
Wesco Electrical Distributors
Westinghouse Elec. Corp.

Condensers, Steam

Allis-Chalmers Mfg. Co.
Long & Associates
Metcalf & Co., Inc., James I.
Nott, L. A.
Rising, Inc., H. G.
Wesco Electrical Distributors
Westinghouse Elec. Corp.
Westinghouse Elec. Supply Co.

Conductor Supports—
See Supports, Cable

Conduit

Allied Industries
Aluminum Co. of America
Anaconda Wire & Cable Co. Metal Hose Div.
Anderson, Kenneth
Associated Elec'l. Agents
Baxter Co.
Benz Co., Fred D.
Bergman-Marshall Co. Inc.
Bran Co., Frank H.
Briegel Method Tool Co.
Brown Co.
California Conduit & Cable Co.
Calrepco
Carlson Sales, Inc.
Clifton Conduit Co., Div. General Cable
Columbia Cable & Elec. Co.
Conduit Pipe Products Co.
Cook Co., Inc., E. B.
Curry Co.
Darger Co.
Dawson Co., Jim
Egbert and Associates
Electri-Flex Co.
The Electric Corp.
Garnett-Young & Co.
General Elec. Co.
General Elec. Supply Co.
Gough Industries, Inc.
Graybar Elec. Co., Inc.
Harvey Aluminum
Hodges & Glomb
Howe & Howe Sales
Imholt Co., W. B.
Incandescent Supply Co.
Jacobs, Paul D.
Johns-Manville Corp.
Keeler-White Co.
Line Material Industries, Div. McGraw-Edison Co.
Maddox Sales Co.
Manufacturing Equip. Co.
Mark & Co., Clayton
Matzinger-Johnson
E. D. Maupin Assoc., Inc.
Maydwell & Hartzell, Inc.
McLoughlin Co. Inc.
Murphy-Hain Co.
National Elec. Div. H. K. Porter Co. Inc.
National Supply Co. Tubular Products Div.
Northwest Sales & Eng. Service
Phillips & Edwards Elec. Corp.
J. G. Pomeroy Co.
R & M Sales Co.
Randolph Industries
Republic Steel Corp.
Reynolds Metals
Rome Cable Div. Alcoa
Rutkin Electrical Sales
Sales Engineers, Inc.
Shirreffs Co., Jim
Soapstone Duct Co.
Spang-Chalfant Div. Nat'l Supply
Staible & Sons Co., Fred
Stanley Sales
Stubbs Electric Co.
Triangle Conduit & Cable Co.
Tri-State Supply Corp.
Youngstown Sheet & Tube Co.

Conduit, Aluminum

Aluminum Co. of America
Condon Co., Earl S.
General Elec. Supply Co.
Graybar Electric Co., Inc.
Harvey Aluminum
Incandescent Supply Co.
Kaiser Aluminum & Chem. Corp.
National Electric Div., H. K. Porter Co. Inc.
Phillips & Edwards Elec. Corp.
Reynolds Metals
Rome Cable Div. of Alcoa
Westinghouse Elec. Supply Co.

Conduit, Fibre

General Elec. Co.
General Elec. Supply Co.
Graybar Electric Co., Inc.
Incandescent Supply Co.
Johns-Manville Corp.
Line Material Industries, Div. McGraw-Edison Co.
Orangeburg Mfg. Co., Inc.
Phillips & Edwards Elec. Corp.
Westinghouse Elec. Corp.
Westinghouse Elec. Supply Co.

Conduit, Fittings

Adalet Mfg. Co.
Agencies Co.
Allen-Stevens Conduit Fittings Corp.
Allied Industries
Anderson, Kenneth
Appleton Elec. Co.
Ashton, William J.
Associated Elec'l Agents
Bach Associates
Bach Electric, Pete
Baxter Co.
Benz Co., Fred D.
Bergman-Marshall Co. Inc.
The Frank H. Bran Co.
Briegel Method Tool Co.
Bruce-Emmett Co.
Buchanan Electrical Prod. Corp.
Cabot & Associates, Matt
Calrepco
Carlson Sales, Inc.
Conduit Nipple Mfg. Co.
Conduit Pipe Products Co.
E. B. Cook Co. Inc.
Coombs Co., O. W.
Crouse Hinds Co.
Curry Co., The
Darger Co.
Dawson Co., Jim
de Leuze Co., Guy
Egbert & Associates
The Electric Corp.
Electrical Tubular Prod.
Electrical Fittings Corp.
Electrical Sales
Fullman Mfg. Co.
Gedney Electric Co.
General Elec. Co.
General Elec. Supply Co.
Gough Industries, Inc.
Gratiot Co., C. B.
Gray Co., George A.
Graybar Electric Co., Inc.
Hauch Co., Ernst F.
Hodges & Glomb
Honn Co., George
Horning Sales, Bill
Howard & Goepp
Imholt Co., W. B.
Incandescent Supply Co.
Johns-Manville Corp.
Killark Elec. Mfg. Co.
Levin, M.
Line Material Industries, Div., McGraw-Edison Co.
Lynn & Brook
Maddox Sales Co.
Manufacturing Equip. Co.
Mason Co., L. E.
Matzinger-Johnson Co.
Maydwell & Hartzell, Inc.
McLoughlin Co., Inc.
Murphy-Hain Co.
Myers Electric Products Inc.
Nat'l Electrical Div. H. K. Porter Co. Inc.
F. M. Nicholas Co.
Northwest Sales & Eng. Service
Ormond, John H.
O. Z. Elec. Mfg. Co., Inc.
Pacific Electric Sales
Pacific Utilities Supply Co.
Payne & Sloan, Inc.
Penn-Union Elec. Corp.
Phillips & Edwards Elec. Corp.
Pittsburgh Standard Conduit Co.
PLM Products, Inc.
J. G. Pomeroy Co.
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Reynolds Metals Co.
Republic Steel Corp.
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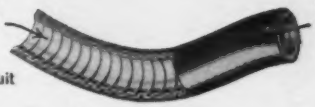

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Tri-State Supply Corp.
Weingart & Lustig
Wesco Electrical Distributors
Westinghouse Elec. Corp.
Westinghouse Elec. Supply Co.
Youngstown Sheet & Tube Co.
Young & Co., Robt. A.

Conduit, Flexible, Metallic

Allen-Stevens Conduit Fittings Corp.
American Brass Co., American Metal Hose Div.
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The Frank H. Bran Co.
California Conduit & Cable Co.
Clifton Conduit Div. General Cable Corp.
Columbia Cable & Elec. Corp.
Curry Co., The
Electri-Flex Co.
Ettco Wire & Cable Corp.
General Elec. Co.
General Elec. Supply Co.
Graybar Electric Co., Inc.
Hodges & Glomb
Ideal Industries, Inc.
Incandescent Supply Co.
Keeler, White Co.
National Elec. Div., H. K. Porter Co., Inc.
J. G. Pomeroy Co.
Phillips & Edwards Elec. Corp.
Rome Cable, Div. Alcoa
Sterling Equip. Co.
Tri-State Supply Corp.
Triangle Conduit & Cable Co.
Westinghouse Elec. Corp.
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Conduit, Liquid Tight Flexible

Anaconda American Brass Ltd.
Anaconda Metal Hose Div.
Anaconda Wire & Cable Co.
Columbia Cable & Elec. Co.
Electri-Flex Co.
Graybar Elec. Co., Inc.
Incandescent Supply Co.
Phillips & Edwards Elec. Corp.

Conduit, Non-Metallic

American Brass Co., American Metal Hose Div.
Bran Co., Frank H.
Clifton Conduit Div., General Cable Corp.
Columbia Cable & Elec. Co.
Curry Co.
Essex Wire Corp.
Gray Co., George A.
Graybar Elec. Co., Inc.
Hodges & Glomb
Incandescent Supply Co.
Johns-Manville Corp.
LaMoree, C. D.
Line Material Industries, Div. McGraw-Edison Co.
Maydwell & Hartzell, Inc.
Phillips & Edwards Elec. Corp.
Soapstone Duct Co.
Triangle Conduit & Cable Co.
Will, E. A.

Conduit, Plastic

Black, Ralph B.
Calrepco
Carlon Products Corp.
Carlson Co., Fred
Clifton Conduit Div. of Gen. Cable
Electri-Flex Co.
Electrorep, Inc.
Cook Co. Inc., E. B.
Horning Sales, Bill
Jacobs, Paul D.
Jaeger Co.
Kraloy Plastic Pipe Co. Inc.
Lasco Industries
Maddox Sales Co.
Ryals Co., K. M.
Stauffer Chemical
Southwestern Plastic Pipe Co.
Taylor Elec. Co.

Conduit, Rigid

Allied Industries
Bran Co., Frank H.
Clifton Conduit Div. General Cable Corp.
Columbia Cable & Elec. Co.
Cook Co. Inc., E. B.
Curry Co.
The Electric Corp.
General Elec. Co.
General Elec. Supply Co.
Graybar Elec. Co., Inc.
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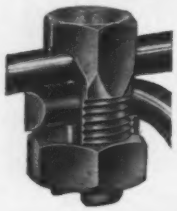

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BLACKBURN CONNECTORS OUT-PERFORM THEM ALL

Because they are . . .

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● Made of high strength duronze, a silicon bronze alloy stronger than structural steel.

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● High clamping force—the result of greater thread efficiency breaks down oxide on the conductor improving conductivity.

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Phillips & Edwards Elec. Corp.
Pittsburgh Standard Conduit Co.
Republic Steel Corp.
Rome Cable Div. Alcoa
Spang-Chalfant Div. Nat'l. Sup.
Tri-State Supply Corp.
Triangle Conduit & Cable Co.
Youngstown Sheet & Tube Co.

Conduit, Underground

Benz Co., Fred D.
Bran Co., Frank H.
Brown Co.
Columbia Cable & Elec. Co.
Curry Co.
The Electric Corp.
General Elec. Co.
General Elec. Supply Co.
Graybar Electric Co., Inc.
Incandescent Supply Co.
Johns-Manville Corp.
Line Material Industries, Div. McGraw-Edison Co.
Maydwell & Hartzell, Inc.
National Elec. Div., H. K. Porter Co. Inc.
Orangeburg Mfg. Co., Inc.
Phillips & Edwards Elec. Corp.
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Soapstone Duct Co
Spang-Chalfant Div. Nat'l Sup. Co.
Square D Co.
Triangle Conduit & Cable Co., Inc.
Westinghouse Elec. Corp.
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Connectors, Couplings

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Allied Industries
Amadco
American Pamcor, Inc.
AMP, Inc.
Anderson Electric Corp.
Anderson, Kenneth
F. M. Anthony Co.
Arthur & Allen
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Benz Co., Fred D.
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Bethea Co., Inc.
Betts & Betts
Jasper Blackburn Corp.
The Frank H. Bran Co.
Briegel Method Tool Co.
Brill Electric Sales
Bruce-Emmett Co.
Buchanan Electrical Prod. Corp.
BullDog Elec. Prod. Co.
Burndy Corp.
Burcham Co., Don H.
Cairepco
Campbell & George Co.
Earl S. Condon Co.
Conduit Nipple Mfg. Co.
Conduit Pipe Products Co.
Cook Co., E. B.
Coombs, O. W.
Coulson, Roy E.
Crouse Hinds Co.
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Darger Co.
Delta Star Elec. Div., H. K. Porter Co., Inc.
Dossert Mfg. Co.
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Eagle Electric Mfg. Co., Inc.
Edstrom, J. E.
Electrical Fittings Corp.
Electrical Specialty Co.
Eiggren & Sons, A. J.
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Fargo Mfg. Co., Inc.
Gedney Electric Co.
General Electric Co.
General Elec. Supply Co.
Gibbons Electric Co.
Gough Industries, Inc.
Gray Co., George A.
Graybar Electric Co., Inc.
Guire Co., H. C.
Hamilton Associates
Harvey Aluminum
Hayjax Co.
Hendrey Co., W. R.
Hodges & Glomb
Holub Industries, Inc.
Holzmueller Lighting, C. J.
Geo. E. Honn Co.
Horning Sales, Bill
Howard & Goepp Co.
Howe & Howe Sales
Hubbard & Co.
Hubbell, Inc., Harvey
Ideal Industries, Inc.
Ilsco Corp.
Imholt Co., W. B.
Incandescent Supply Co.
Industrial Eng. & Equip. Corp.
Ingalls & Associates
Ingalls, Donald
Insulator Dept., GE Co.
Johns-Manville
Joslyn Mfg. & Supply
Joslyn Pacific
Kaufman, Jack
James R. Kearney Corp.
Keeler, White Co.
Killark Electric Mfg. Co.
W. E. Kirk Co.
Krotozyner, J. M.
Long & Associates
Mac Products, Inc.
Maddox Co., John H.
Maddox Sales Co.
Magnes Co., Inc., Geo. R.
Marsh, J. W.
Mason Co., L. E.
Matzinger-Johnson Co.
Maydwell & Hartzell, Inc.
Miksch, Don
Minnesota Mining & Mfg. Co.
Motorman Supply Co.
Murphy-Hain Co.
Muth-Richards
National Elec. Div., H. K. Porter Co. Inc.
National Tele. Supply Co.
F. M. Nicholas Co.
Ormond, John H.
O. Z. Elec. Mfg. Co., Inc.
Pacific Electric Sales
Pacific Utilities Supply Co.
Pass & Seymour
Penn-Union Elec. Corp.
Phillips & Edwards Elec. Corp.
Polich, Inc., Andrew L.
Pomeroy Co., J. G.
Pruzan Co., Jack
R & M Sales
Randolph Industries
Royal Electric Corp.
Royal Elec. Mfg. Co. Inc.
Rutkin Electrical Sales
Ryals Co., K. M.
Schwager-Wood Corp.
Jim Shirreffs Co.
Slusser, Leonard M.
Smedley & Associates, A. B.
Soapstone Duct Co.
Southern States Equip. Corp.
Square D Co.
Staible & Sons, Fred
Stanley Sales
Sta-Tite Mfg. Co.
Steel City Elec. Co.
Strohecker Inc.
Stroum, Samuel N.
Stubbs Electric Co.
Tal Agencies Inc.
Thomas & Betts Co. Inc.
Weingart & Lustig
Western Power Products, Inc.
Western Hardware & Tool Co.
Westinghouse Elec. Corp.
Westinghouse Elec. Supply Co.
Wood Co., Thomas
Wrathall & Krusi
Young & Co., Robt. A.

Control Equipment

Acec Elec. Corp.
Allen-Bradley Co.
Allied Industries, Inc.
Allis-Chalmers Mfg. Co.
Ambrosini, A. T.
American Solenoid
Artwel Electric, Inc.
Belilove Co.
Benz Co., Fred D.
Brown-Boveri Corp.
BullDog Electric Prod. of L.A.
Cabot & Associates, Matt
Campbell & George Co.
Carns & Hoaglund
Cereske Co., William
Church, L. F.
Clapp, R. B.
Clark Controller Co.
Columbia Electric Mfg. Co.
Condon Co., Earl S.
Control Switches Inc.
Cook Co., E. B.
Crouse-Hinds Co.
Davidson & Assoc., Joe
Dawson Co., Jim
de Leuze Co., Guy
Diablo
E & M Equipment
H. D. Easterbook
The Electric Corp.
Electric Motor Supply
Federal Pacific Electric Co.
Fisher-Pierce Div.
Furnas Elec. Co.
General Electric Co.

Howard & Goepp Co.
Manufacturers' Representative
Warehouse Distributor
1301 - 6th Street
San Francisco 7, Calif.
Phone MArket 1-6759
Phone MArket 1-6890

General Electric Supply Co.
Gorman, F. W.
Graybar Electric Co., Inc.
Horning Sales, Bill
Howard & Goepp Co.
Howe & Howe Sales
Hughey & Phillips, Inc.
Hyatt, John
Incandescent Supply Co.
Industrial Eng. & Equip. Corp.
Ingalls & Associates
Jensen Instrument Co.
Jones Co., J. Henry
Joslyn Pacific
Herbert Kaub & Co.
Kearns Co., James L.
Keeler-White
W. E. Kirk
Krotozyner, J. M.
Lakeshore Elec. Corp.
Lenkurt Elec. Co., Inc.
Line Material Industries, Div.
Lyman, Oliver B.
Lynch Communications Systems, Inc.
Maydwell & Hartzell, Inc.
McDougall
Micro Balancing, Inc.
Moloney Elec. Co.
Mnotgomery Bros., Inc.
Motorman Supply Co.
Mueller, M. L.
James Mundstock
Muth-Richards
National Elec. Div., H. K. Porter Co. Inc.
Nelson Elec. Mfg. Co.
F. M. Nicholas Co.
Nott & Co., L. A.
Pacific Control Products
Parsons & Co., C. B.
Peninsula Assoc.
Penn Controls, Inc.
Phillips & Edwards Elec. Corp.
Polich, Inc., Andrew L.
Porter Co., Don
Precision Multiple Controls
R & M Sales
Randolph Industries
Reliance Time Controls, Inc.
Roberson, Inc.
T. R. Routh Co.
Rowan Controller Co.
Ryals Co., K. M.
Sales Engineers, Inc.
Sangamo Electric Co.
Shirreffs Co., Jim
Sierra Elec. Corp.
Slusser Co., L. M.
Smedley & Associates, A. B.
Square D Co.
Standard Elec. Sales
Stevens Sales Co.
Stridal Corp.
Stubbs Electric Co.
Superior Cable Corp.
Warrick Co., Charles F.
Weingart & Lustig
Wells Co., Wayne C.
Western Electro-Mechanical
Western Power Prods. Inc.
Westinghouse Elec. Corp.
Westinghouse Elec. Supply Co.
White-Rodgers Co.
Williams Equip.
Wood Co., Thomas
Wrathall & Krusi, Inc.
Young & Co., Robt. A.

Converters, Synchronous

Allis-Chalmers Mfg. Co.
Artwel Electric, Inc.
Davidson & Assoc., Joe
General Electric Co.
Hartley, Barney H.
Hyatt, John
Kearns Co., James L.
Nott & Co., L. A.
Polich Inc., Andrew L.
Smedley & Assoc., A. B.
Stolaroff, M. A.
Stubbs Electric Co.
Westinghouse Elec. Corp.

Cords, Appliance

Acorn Ins. Wire Co. Inc.
Anaconda Wire & Cable Co.
Benz Co., Fred D.
Bran Co., Frank H.
Carder Jr. Co., John
Carol Cable Co.
Cereske Co., Wm.
Cornish Wire Co.
Brill Electric Sales

Cords, Appliance—Cont'd.
Eagle Elec. Mfg. Co., Inc.
The Electric Corp.
General Cable Corp.
General Electric Co.
General Electric Supply Co.
Gough Industries, Inc.
Graybar Electric Co., Inc.
Hornstein Bros.
Incandescent Supply Co.
Keeler White
Nat'l Elec. Div.,
H. K. Porter Co., Inc.
Phillips & Edwards Elec. Corp.
Rockbestos Products Corp.
Roebling's Sons Co., John A.
Rome Cable Div. Alcoa
Royal Electric Corp.
Royal Elec. Mfg. Co. Inc.
Shirreffs Co., Jim
Western Ins. Wire Co.
Westinghouse Elec. Corp.
Westinghouse Elec. Supply Co.

Cords, Heavy Duty
American Steel & Wire Co.
Anaconda Wire & Cable Co.
Benz Co., Fred D.
Bran Co., Frank H.
Brill Elec. Sales
Carol Cable Co.
Cereske Co., William
Circle Wire & Cable
Clifton Conduit Div.,
General Cable Corp.
Collyer Insulated Wire Co.
Earl S. Condon Co.
Cornish Wire Co., Inc.
Curry Co., The
Eagle Electric Mfg. Co., Inc.
The Electric Corp.
Essex Wire Corp.
General Cable Corp.
General Elec. Co.
General Elec. Supply Co.
Gough Industries, Inc.
Gray Co., Geo. A.
Graybar Elec. Co.
Hatfield Wire & Cable Div.
Hubbell, Inc., Harvey
Incandescent Supply Co.
Kaiser Alum. & Chem. Corp.
National Elec. Div.,
H. K. Porter Co. Inc.
Nicholas Co., F. M.
Okonite Co.
Payne & Sloan, Inc.
Rockbestos Products Corp.
John A. Roebling's Sons Co.
Rome Cable Div. Alcoa
Royal Electric Corp.
Royal Elec. Mfg. Co. Inc.
Simplex Wire & Cable Co.
Tri-State Supply Corp.
Geo. E. Honn Co.
Gough Industries, Inc.
General Switch Corp.

Counters, Computing Devices
(See Computers.)

Couplings
(See Connectors, Couplings)

Cranes
(See Derricks, or Trolley Systems)

Crossarms
Aluminum Company of America
Chance Co., A. B.
General Elec. Supply Co.
Graybar Elec. Co.
Geo. E. Honn Co.
Haley International Corp., R. G.
Hubbard & Co.
Joslyn Mfg. & Supply Co.
Joslyn Pacific Co.
Line Material Industries, Div.
Insulator Dept., GE Co.
Matzinger-Johnson Co.
Maydwell & Hartzell, Inc.
Pacific Crossarm Co.
Pennington Crossarm Co.
Reynolds Metals Co.
Westinghouse Elec. Supply Co.

Cutouts
Chance Co., A. B.
Cunningham & Son, R. E.
Federal Pacific Electric
G & W Electric Specialty Co.
General Elec. Co.
Gough Industries, Inc.
Graybar Elec. Co., Inc.
Guire, H. C.
Hendrey Co., W. R.
Geo. E. Honn Co.
Hubbard & Co.
Incandescent Supply Co.
Industrial Eng. & Equip. Co.
Ingalls & Associates
James R. Kearney Corp.
Kirk Co., W. E.
Line Material Industries, Div.
McGraw-Edison Co.
Maydwell & Hartzell, Inc.
Ormond, John H.
Phillips & Edwards Elec. Corp.
Pruzan Co., Jack
Randolph Industries
S. & C. Electric Co.
Southern States Equipment Corp.
Square D Co.
Stubbs Electric Co.
Westinghouse Elec. Corp.
Westinghouse Elec. Supply Co.

Cutters, Shears
Bartlett Mfg. Co.
General Electric Co.
Graybar Elec. Co., Inc.
Greenlee Tool Co.
Honn Co., George E.
Pacific Utilities Supply Co.
Ryals Co., K. M.

Data Processing
(See Computers.)

Dead-Ends
(See Clamps, Dead-Ends)

Derricks—Dinkies
Arthur & Allen
Asplundh Chipper Co.
Baldwin-Lima-Hamilton
Ford Co., Inc., T. A.
FWD Co., The
Graybar Elec. Co., Inc.
Highway Trailer Co.
Holan Corp., The J. H.
Industrial Eng. & Equip. Co.
McCabe Powers Body Co.
Moffett Engineering Co.
Morrison-Pelsue Co.
Line Material Industries, Div.
McGraw-Edison Co.
Pacific Coast Eng. Co.
Pacific Utilities Supply Co.
Pitman Mfg. Co.
Tel-E-Lect Products, Inc.
Texoma Enterprises, Inc.
Truco
Up Right Scaffolds
Utility Body Co.
Western Power Proudcts Inc.

Diggers and Augers
(See Earth Boring Equipment)

Distribution Specialties
Allis-Chalmers Mfg. Co.
Anderson Electric Corp.
Barron Bethea Co. Inc.
Best Linemen's Supply Corp.
Bethea Co. Inc.
Blackburn Corp., Jaspar
Burndy Corp.
The Electric Corp.
Esco Mfg. Co.
Fargo Mfg. Co., Inc.
General Elec. Co.
Graybar Elec. Co., Inc.
Hubbard & Co.
Industrial Eng. & Equip. Corp.
Ingalls & Sons, C. E.
Ingalls, Donald
I-T-E Circuit Breaker Co.
James R. Kearney Corp.
Kirk Co., W. E.
Kortick Mfg. Co.
Line Material Industries, Div.
McGraw-Edison Co.
Insulator Dept., GE Co.
Maydwell & Hartzell, Inc.
Myers Electric Products Inc.
National Elec. Div.,
H. K. Porter Co. Inc.
O. Z. Electrical Mfg. Co.
Pacific Utilities Supply Co.
Porcelain Insulator Corp.
Randolph Industries
Rising, Inc., H. G.
Ryals Co., K. M.
Safety Switchboard Co.
S. & C. Electric Co.
Sierra Elec. Corp.
Square D Co.
Thomas Works, H. K. Porter Co., Inc.
Victor Insulators Div.
Western Switchboard Co.
Westinghouse Elec. Corp.
Westinghouse Elec. Supply Co.
Wrathall & Krusi

Dollies, Pole
(See Trucks, Trailers)

Door Openers, Electric
Edwards Co., Inc.
General Elec. Supply
Howard & Goepp
Incandescent Supply Co.
Matzinger-Johnson Co.
Phillips & Edwards Elec. Corp.
Trine Mfg. Corp.

SPLICE

Without WIRE TWISTING

Buchanan's 2008S Steel Splice Caps splice 2 #18's thru 4 #12's better than ever. They won't pull, twist or shake off . . . even on untwisted wires. Crimped with Buchanan's C24 pres-SURE-tool, the 2008S clamps conductors in a vise-like crimp. Its exclusive fluted design strengthens the cap, helps to position it in the tool. When the 2008S Splice Cap is crimped, the flutes confine the conductors into a tight area . . . intimate wire-to-wire contact. There are no voids. This eliminates looseness. You insulate completed 2008S splices with Buchanan's 2007 Snap-On Nylon Insulators. They go on with a snap; provide quickest insulation . . . even on fine wires and in the coldest weather. Write for Bulletin **W-12.**

Splice caps listed as "pressure-type wire connectors" and "fixture-type splicing connectors" for 2 #18 thru 4 #12's. Insulators UL and CSA listed for 600 v. on building wire and 1000 v. in fixtures, in applications up to 105°C. (221°F.). Also U.L. listed for 1000 v. in electric signs.

BUCHANAN

BUCHANAN ELECTRICAL PRODUCTS CORPORATION
HILLSIDE, NEW JERSEY
In Canada: ESNA CANADA LIMITED, Toronto 16

Duct
Allied Industries
Alwalt Mfg. Co. Inc.
Arthur & Allen
Allis-Chalmers
Benz Co., Fred D.
Brill Electric Sales
Bruce-Emmett Co.
BullDog Elec. Products Co.
BullDog Elec. of LA
Cairepco
Campbell & George Co.
Columbia Elec. Mfg. Co.
Columbia Metal Box
Conduflor Corp.
Coombs Sales Co., O. W.
Cope, T. J., Div.,
Rome Cable Corp.
Darger Co.
Dawson Co., Jim
Electrical Sales Co.
Federal Pacific Electric
Flexaust Co.
Garnett Young Co.
General Elec. Co.
General Electric Supply Co.
Gibbons Metal Prod.
Gough Industries, Inc.
Graybar Elec. Co., Inc.
Hartley, Barney H.
Honn, Geo. E.
Howe & Howe Sales
Ideas, Inc.
Imholt Co., W. B.
Incandescent Supply Co.
Ingalls & Sons, C. E.
Jaeger Co.
Johns-Manville Corp.
Keystone Mfg. Co.
Krause Engineering
Line Material Industries, Div.
McGraw-Edison Co.
Lyman Co., Oliver B.
Maydwell & Hartzell, Inc.
Montgomery Bros.
Murphy-Hain Co.
National Elec. Div.
H. K. Porter Co. Inc.
Orangeburg Mfg. Co., Inc.
P-W Industries Inc.
Phillips & Edwards Elec. Corp.
Power-strut Div. Van Huffel Prod.
Randolph Industries
Ryals Co., K. M.
Safety Switchboard Co.
Sheeter, Hugh X.
Soapstone Duct Co.

ELECTRIC CABLE AND WIRE

From Stock—Cut to Length

Power Cable
Control Cable
Asbestos Cable
Underground Cable
High Voltage Cable

Write for Stock List

William Cereske Company

1401 Middle Harbor Road
Oakland 20, California
TEmplebar 2-3546

Square D Co.
Stevens Sales Co.
Stubbs Electric Co.
Tal Agencies, Inc.
Taylor Electric Co.
Walker Brothers
Wells Co., Wayne C.
Westinghouse Elec. Corp.
Westinghouse Elec. Supply Co.

Earth Boring Equipment
Chance Co., A. B.
Delta-Star Electric Div.,
H. K. Porter Co. Inc.
Everstick Anchor Co.
Ford Co., T. A.
FWD Co., The
Graybar Elec. Co., Inc.
Geo. E. Honn Co.
Holan Corp., The J. H.
Industrial Eng. & Equip. Corp.
Kearney Corp., James R.
Line Material Industries, Div.
Maydwell & Hartzell, Inc.
McCabe Powers Body Co.
Petersen Engineering Co.
Pitman Mfg. Co.
Tel-E-Lect Products Co.
Texoma Enterprises, Inc.
Truco
Utility Body Co.
Western Power Products, Inc.
Westinghouse Elec. Supply Corp.

Electrical Connections
F. M. Anthony Co.
Appleton Elec. Co.
Arthur & Allen
Baxter Co., The
Blackburn Corp., Jasper
Bruce-Emmett
E. B. Cook Co.
Electrical Tubular Prod.
Electrical Fittings Corp.
Gedney Elec. Co.
Graybar Elec. Co., Inc.
Imholt Co., W. B.
Incandescent Supply Co.
Kraloy Plastic Pipe Co.
Pacific Electric Sales
Pacific Utilities Supply Co.
Payne & Sloan, Inc.
Phillips & Edwards Elec. Corp.
Ryals Co., K. M.
Sierra Elec. Corp.
Weingart & Lustig

Electrodes
Artwel Electric, Inc.
Bellove Co.
General Elec. Co.
Westinghouse Elec. Corp.

Electronic Devices
Airsupply Co.
Ambrosini, A. T.
Arthur & Allen
Artwel Electric, Inc.
Ault Associates
Backer Co., James J.
Benz Co., Fred D.
Brenner-Fiedler & Associates
Burcham Co., Don H.
Cahn, Bernard
California Instruments
Calrepco
Carruti & Associates
Condon Co., Earl S.
Cook Co., E. B.
Coombs Sales Co., O. W.
Davidson & Assoc., Joe
de Leuze Co., Guy
Dougherty Enterprises
Edstrom, J. E.
Eicher & Co.
Eichorn & Melchoir
Electronic Contractors
Fisher-Pierce Div., Sigma Instr.
Fisher Switches
Garnett Young Co.
General Elec. Co.
General Elec. Supply Co.
Glenmart Co., Inc.
Graybar Elec. Co.
Hamilton Associates
Harris-Koetke Sales
Hill Transformer Co.
Howe & Howe Sales
Hubbell, Inc., Harvey
Hundley Co.
Incandescent Supply Co.
Ingalls & Associates
International Business Machines
I-T-E Circuit Breaker
Kearns Co., James L.
Knight Co., W. Bert
Kolans & Co., Bill
Long & Associates
Maddox Co., John H.
Manufacturing Equip. Co.
Markman Co., Mark R.
Marsh, J. W.
Marshall Co., G. S.
Maydwell & Hartzell Inc.
Meussdorffer Assoc., R.
Montgomery Bros. Inc.
Newman, Rudat & Ewing
Nickerson-Gray & Assoc.
Nott, L. A.
Parsons & Co., C. B.
Peninsula Associates
Phillips & Edwards Elec. Corp.
Porter, Burt
Randolph Industries
Ridgeway Co., The
Ripley Co. Inc.
Rising, Inc., H. G.
Roberts & Asesoc., E. V.
Ross, David
Routh Co., T. R.
Rupp, Norman
Ryberg, Ray E.
Sales Affiliates
Saul & Assoc., H. M.
Sierra Elec. Corp.
Slusser Co., L. M.
Smallcomb Electric Co.
Smedley Assoc., A. B.
Standard Electric Sales
Square D Co.
Stolaroff, M. A.
Stone, Carlos
Strassner Co., R. A.
Stridal Corp.
Stroum, S. N.
Stubbs Electric Co.
Tri-State Supply Corp.
Weightman & Associates
Western Electronic Eenterprises
Western Sales & Eng.
Westinghouse Elec. Corp.
Westinghouse Elec. Supply Co.
Williams Equip. & Controls

Electroplaters (See Platers)

Enclosures, Meter and Instrument
Alwalt Mfg. Co.
Blakeman Bros. Electric Mfg. Co., Inc
Crouse-Hinds Co.
General Elec. Supply Co.
Geo. A. Gray
Graybar Elec. Co., Inc.
Hope Elec'l Products Co.
Howard & Assoc., G. M.
Incandescent Supply Co.
Industrial Engineering & Equip Corp.
Killark Elec. Mfg. Co.
Myers Elec. Products, Inc.
Nicholas, Fred M.
L. A. Nott
Phillips & Edwards Elec. Corp.
Square D Co.
Wadsworth Elec. Mfg. Co.
Westinghouse Elec. Corp.
Westinghouse Elec. Supply Co.

Enclosures, Metal Framing, Cabinets, Mounting Structures, Tanks
Acme Steel Co.
Barker Co.
Benz Co., Fred
Betts & Betts
Calhoun & Poxon
Cobb Co., Vernon B.
Construction Materials Co.
Denny Co., H. M.
Greensburg Div. I-T-E Circuit Breaker
Hope Elec'l. Products
ITEECo
Jacobs, Paul D.
Keystone Mfg. Co.
Kirk Co., W. E.
Metalfab, Inc.
Mult-A-Frame Div.
Nelson Co., A. J.
Parker Electrical Mfg. Co.
Power-Strut Div.
Russell & Stoll Co. Inc.
Squires Associates
Steel City Elec. Co.
Unistrut Products Co.
Ware & Assoc., John Allen
Young Electric & Mfg. Co.

Exchangers, Heat
Allis-Chalmers Mfg. Co.
Morrison-Pelsue Co.
Westinghouse Elec. Corp.
Westinghouse Elec. Supply Co.

Fans
Ammerman Co., Inc.
Bach Co., Pete
Baxter Co., L. M.
Benz Co., Fred D.
Bran Co., Frank H.
Broan Mfg. Co., Inc.
Bruce-Emmett Co.
Carn-Hoaglund
Church, L. F.
Cohn & Shane, Inc.
Coombs Sales Co.
Davidson, Joe
The Electric Corp.
Florentine & Co.
General Elec. Co.
General Elec. Supply Co.
Gough Industries, Inc.
Graybar Elec. Co., Inc.
Incandescent Supply Co.
Herbert Kaub & Co.
Keeler, White Co.
Levin, M.
Markel Electric Prod., Inc.
Matzinger-Johnson Co.
McLoughlin Co., Inc.
Meier Electric
Montgomery Bros. Inc.
Morrison-Pelsue Co.
Nicholas Co., F. M.
Northwest Sales & Eng. Service
Pace-Turpin & Co.
Peerless Elec. Div., H. K. Porter Co. Inc.
Peninsular Assoc.
Perfect-Line Mfg. Corp.
Peterson Co., Edward L.
Phillips & Edwards Elec. Corp.
Rudy Co., John B.
Simpson Co.
Smallcomb Elec. Co.
Standard Electric Sales
Stanley Sales Corp.
Stearns Sales
Stevens Sales Co.
Stroum, S. N.
Stubbs Electric Co.
Swanson Mfg. Co.
Tweedy Co., R. E.
Westinghouse Elec. Corp.
Westinghouse Elec. Supply Co.
Williams Equip. & Controls

Fans, Kitchen Ventilating
Broan Mfg. Co., Inc.
General Electric Co.
General Electric Supply Co.
Graybar Elec. Co., Inc.
Incandescent Supply Co.
Keeler, White Co.
Matzinger-Johnson Co.
Montgomery Bros. Inc.
Nicholas Co., F. M.
Perfect-Line Mfg. Corp.
Phillips & Edwards Elec. Corp.
Smallcomb Elec. Co.
Stanley Sales
Stanthony
Swanson Mfg. Co.
Westinghouse Elec. Corp.
Westinghouse Elec. Supply Co.
Wilt, O. B.

Farm Electrification Equipment
E. B. Cook
Crouse-Hinds Co.
General Electric Co.
General Electric Supply Co.
General Switch Co.
Graybar Elec. Co., Inc.
Kortick Mfg. Co.
Line Material Industries, Div., McGraw-Edison Co.
Maydwell & Hartzell, Inc.
J. G. Pomeroy Co.
Porcelain Products, Inc.
Westinghouse Elec. Corp.
Westinghouse Elec. Supply Co.

Fastening Devices, Seals, Compounds Inserts, Tools
Ackerman-Johnson Co.
Arro Expansion Bolt
Arrow Fastener Co. Inc.
Blackhawk Industries
Blunden Co., Tom G.
Bruce-Emmett Co.
Cope Div. Kome Cable
Darger Co.
Duggan Sales, Edw.
Elsner, F. R.
Fincke Co., John M.
General Electric Supply Co.
Holub Industries, Inc.
Hubbard & Co.
Los Angeles Wholesale Electric
Maddox Sales Co.
Misener Mfg. Co. Inc.
Mult-A-Frame Div.
Nicholas Co., Fred M.
Pacific Electric Sales Co.
Paine Co.
Pomeroy Co., J. G.
Proby & Assoc. Inc., Wm. O.
Ramset Fastening Systems
Rawlplug Co. Inc.
Regional Sales Co.
Steel City Electric Co.
Smith & Co., E. James
Vonier, E. T.
Westinghouse Electric Supply
Wilcox Co., George P.

Feed Water Heaters
Allis-Chalmers Mfg. Co.

Filters
General Electric Co.
General Electric Supply Co.
Graybar Elec. Co., Inc.
Jacobs, Paul D.
Montgomery Bros.
Tri-State Supply Corp.
Watteredge Co.
Westinghouse Elec. Corp.

Fireplace Equipment
Westinghouse Elec. Corp.

Fire-Proofing
Johns Manville Corp.
Rockbestos Prod. Corp.

Fish Tape
(See Tape, Fish, Wire Pullers, etc.)

Fittings, Conduit
(See Conduit Fittings)

Fittings, Aluminum and Copper Conductor
Allied Industries, Inc.
Anderson Electric Corp.
Anderson, Kenneth
F. M. Anthony Co.
Jasper Blackburn Corp.
Buchanan Elec'l Prod. Corp.
Burndy Corp.
Chance Co., A. B.
Delta Star Elec. Div., H. K. Porter Co., Inc.
Dossert & Co.
The Electric Corp.
Electrical Tubular Prod.
Electrical Fittings Corp.
Gedney Elec. Co.
General Electric Co.
General Electric Supply Co.
Graybar Elec. Co., Inc.
Incandescent Supply Co.
Industrial Eng. & Equip. Co.
Ingalls Associates
James R. Kearney Corp.
Killark Elec. Mfg. Co.
C. E. Kirk Co.
Line Material Industries, Div. McGraw-Edison Co.
Maddox Sales Co.
Matzinger-Johnson Co.
Maydwell & Hartzell, Inc.
Nicholas Co., F. M.
O. Z. Elec'l Mfg. Co.
Pacific Utilities Supply Co.
Penn-Union Elec. Corp.
Phillips & Edwards Elec. Corp.
J. G. Pomeroy & Co.
Royal Elec. Mfg. Co. Inc.
Ryals Co., Ken
Weaver Co.
Westinghouse Elec. Corp.
Westinghouse Elec. Supply Co.
Wrathall & Krusi

Fittings, Fixture
Arthur & Allen
Benjamin Elec. Mfg. Co.
Electrical Fittings Corp.
Buchanan Elec'l Products
Graybar Elec. Co., Inc.
Incandescent Supply Co.
Killark Elec. Mfg. Co.
Maddox Sales Co.
McGill Co.
Matzinger-Johnson Co.
Mundstock, James
Nicholas, F. M.
Phillips & Edwards Elec. Corp.
J. G. Pomeroy Co.
Westinghouse Elec. Corp.
Westinghouse Elec. Supply Co.

Fittings, Insulator
Allied Industries
F. M. Anthony Co.
Arthur & Allen
Brewer-Titchener Corp.
Buchanan Electrical Prod. Corp.
Delta Star Elec. Div., H. K. Porter Co., Inc.
The Electric Corp.
General Elec. Supply Co.
Gray Co., George A.
Graybar Elec. Co.
Hodges & Glomb
Honn Co., Geo. E.
Hubbard & Co.
Incandescent Supply Co.
Ingalls & Associates
Kearney Corp., James R.
W. E. Kirk Co.
Kortick Mfg. Co.
Lapp Insulator Co., Inc.
Line Material Industries, Div. McGraw-Edison Co.
Insulator Dept. GE Co.
Maydwell & Hartzell, Inc.
Nicholas, F. M.
O. Z. Electrical Mfg. Co.
Ohio Brass Co.
Penn-Union Elec. Corp.
Phillips & Edwards Elec. Corp.
Shirreffs Co., Jim
Thomas Works, Div., H. K. Porter Co. Inc.
Victor Insulators, Div. I-T-E
Westinghouse Elec. Corp.
Westinghouse Elec. Supply Co.

Fittings, Marine
Allied Industries, Inc.
General Electric Supply Co.
Gray Co., Geo. A.
Incandescent Supply Co.
Hodges & Glomb
Phillips & Edwards Elec. Corp.
Steel City Elec. Co.
Westinghouse Elec. Corp.
Westinghouse Elec. Supply Co.

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Fittings, Pipe & Structural

Arthur & Allen
Conduit Pipe Products Co.
Delta Star Elec. Div.,
H. K. Porter Co., Inc.
Electrical Fittings Corp.
Elec'l. Tubular Prod., Inc.
Gedney Electric Co.
General Electric Co.
Gray Co., George A.
Graybar Elec. Co., Inc.
Incandescent Supply Co.
Ingalls & Associates
W. E. Kirk Co.
Line Material Industries, Div.
McGraw-Edison Co.
Matzinger-Johnson Co.
O. Z. Electrical Mfg. Co.
Phillips & Edwards Elec. Corp.
Royal Elec. Mfg. Co. Inc.
Shirreffs Co., Jim
Westinghouse Elec. Corp.
Westinghouse Elec. Supply Co.

Fixtures, Lighting

Adams Co., George
All-Brite Lighting Div.
Allied Industries, Inc.
Appleton Electric Co.
Arthur & Allen
Babcock, Stephen
Benjamin Elec. Mfg. Co.
Benz Co., Fred D.
Blakely, Charles A.
Cabot & Associates, Matt
Collins & Gillett
Commercial Lighting Equipment Co.
E. B. Cook
Crouse-Hinds Co.
Curtis-AllBrite Lighting, Inc.
Day-Brite Lighting, Inc.
de Leuze Co., Guy
The Electric Corp.
General Electric Supply Co.
Globe Lighting Products, Inc.
Graybar Elec. Co., Inc.
Guth Co., Edwin F.
Holophane Co., Inc.
Holzmueller Corp.
Howard & Goepp Co.
Hubbard & Co.
Incandescent Supply Co.
Killark Elec. Mfg. Co.
Line Material Industries, Div.
McGraw-Edison Co.
McPhilben Mfg. Co. Inc.
Maddox Sales Co.
Markel Elec. Products, Inc.
Miroflector Co., Inc.
Myers Elec. Prod., Inc.
Neo-Ray Products, Inc.
Nicholas Co., F. M.
Parrish & Justice Co.
Pass & Seymour, Inc.
Peerless Electric Co.
Div., H. K. Porter Co. Inc.
Penning, J. R.
J. G. Pomeroy Co.
Jim Shirreffs Co.
Smoot-Holman Co.
Sunbeam Lighting Co.
Supro Lux Co., Inc.
Steber Mfg. Co. of Calif.
Thallon, Robert
Versen Co., Kurt
Virden Lighting Dynamics
Westinghouse Elec. Corp.
Westinghouse Elec. Supply Co.

Flashers

Betts & Betts
Brill Electric
Crouse-Hinds Co.
Eagle Electric Mfg. Co. Inc.
Fisher-Pierce Co. Inc.
General Electric Supply Co.
Graybar Electric Co., Inc.
Hughey & Phillips, Inc.
Joslyn Pacific
Kirk Co., W. E.
Micro Balancing, Inc.
L. A. Nott
Sangamo Elec. Co.
Smedley & Associates, A. B.
Westinghouse Elec. Corp.

Flashlights

General Electric Co.
General Electric Supply Co.
Graybar Electrical Products Co.
Hodges & Glomb
Westinghouse Elec. Corp.
Westinghouse Elec. Supply Co.

Floodlights

All-Brite Lighting Div.
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Appleton Electric Co.
Baxter Co., The
Benjamin Elec. Mfg. Co.
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Bran Co., Frank H.
Ceco
Commercial Lighting Equip. Co.
E. B. Cook
Crouse-Hinds Co.
Curtis-AllBrite Lighting Div.
deLeuze Co., Guy
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General Electric Co.
General Electric Supply Co.
Graybar Elec. Co.
Hartley, Barney H.
Hodges & Glomb
Holophane Co., Inc.
Holzmueller Corp.
Incandescent Supply Co.
Jacobs, Paul D.
Jones, Robert E.
Keeler, White Co.
Killark Elec. Mfg. Co.
Line Material Industries, Div.
McGraw-Edison Co.
Maddox Sales Co.
F. M. Nicholas Co.
Nu-Art Lighting Mfg. Co.
Noack, Martin
Penning, J. R.
Revere Elec. Mfg. Co.
Royal Electric Corp.
Royal Elec. Mfg. Co. Inc.
Jim Shirreffs Co.
Smoot-Holman Co.
Steber Mfg. Co. of Calif.
Stonco Elec. Prod. Co.
Thallon Sales
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Westinghouse Elec. Supply Co.
Wrathall & Krusi

Floor Systems for Computer Rooms

Balco Sales, Inc.
ITEECo, Div. of Idaho Maryland
Industries Inc.
Framing Material Supply
Omark West Coast
Osborne Electric
Utilities Supply Co.
Von Hamm Young

Fluorescent Fixtures & Accessories

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Ashton, William J.
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Associated Elec'l Agents
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Baxter Co., The
Benjamin Elec. & Mfg. Co.
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Blakely, Charles A.
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Cabot & Associates, Matt
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Day-Brite Lighting, Inc.
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Glenmart Co. Inc.
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Gratiot Co., C. B.
Graybar Elec. Co.
Guth Co., Edwin F.
Hamilton Associates
Hartley, Barney H.
Hauch Co., Ernst F.
Hodges & Glomb
Hogenson Co., Oscar
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Holzmueller Corp.
Hooey Associates, M. J.
Howard & Goepp Co.
Hub Elec. Mfg. Co.
Humber & Walker Co.
Ideal Industries, Inc.
Imhof & Assoc., E. F.
Incandescent Supply Co.
Jones, Robert E.
Kirlin Co.
Levin, M.
Maddox Sales Co.
McGuire, W. A.
McLoughlin Co. Inc.
Moe Light, Div.
Neo-Ray Products, Inc.
F. M. Nicholas Co.
Noel Associates, Ray J.
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Slusser Co., L. M.
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Smoot-Holman Co.
Stanley Sales Corp.
Stearns Sales Co.
Steber Mfg. Co. of Calif.
Sterner Industries, Inc.
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Stumph Co., J. H.
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Framing, Metal, Etc.

(See Enclosures.)

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Randolph Industries
Smedley & Associates, A. B.
Lombard Smith Co.
Tal Agencies, Inc.
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Wilt, O. B.

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Royal Electric Corp.
Royal Elec. Mfg. Co. Inc.
Rising, Inc., H. G.
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Shoemaker & Assoc., H. M.
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Square D Co.
Stubbs Electric Co.
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Westinghouse Elec. Supply Co.

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Glove Tester
Bullard Co., E. D.

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Barth Co.
Cope Div. Rome Cable Corp.
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Fargo Mfg. Co.
Graybar Elec. Co.
Greenlee Tool
Holan Industries Inc.
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Kellems Co. Inc.
Klein & Sons, Mathias
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Preformed Line Products Co.
Sales Engineers Co.

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Fanner Mfg. Co.
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Incandescent Supply Co.
Kearney Corp., James R.
Kirk Co., W. E.
Kortick Mfg. Co.
Maydwell & Hartzell, Inc.
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Pacific Utilities Supply Co.
Phillips & Edwards Elec. Corp.
Jim Shirreffs Co.
Sierra Electric Corp.
Steel City Elec. Co.
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Jasper Blackburn Corp.
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Incandescent Supply Co.
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Insulator Dept., GE Co.
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Westinghouse Elec. Corp.
Westinghouse Elec. Supply Co.

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Burndy Corp.
Crouse-Hinds Co.
Cope, T. J., Div. Rome Cable Corp.
de Leuze Co., Guy
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Electrorep Inc.
Fullman Mfg. Co.
General Electric Co.
General Electric Supply Co.
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Hodges & Giomb
Hubbard & Co.
Hughey & Phillips, Inc.
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Randolph Industries
Jim Shirreffs Co.
Square D Co.
Superior Strut & Hanger Co.
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Heat Pump
(See Pump Heat.)

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Bran Co., Frank H.
Bruce-Emmett Co.
Cabot & Associates, Matt
Ceilheat, Inc.
Cole Elec. Co.
Condon Co., Earl S.
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Coombs Sales Co., C. W.
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Electrend Prod. Corp.
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Florentine Co.
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Graybar Electric Co., Inc.
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Pacific Electric Sales
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Phillips & Edwards Elec. Corp.
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Randolph Industries
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Stevens Sales
Stubbs Electric Co.
Swan Mfg. Co.
Thallon Sales
Thermador Elec'l Mfg. Co.
Titan Sales Corp.
Tuttle & Co., H. W.
Tweedy, R. E.
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Williams Equipment & Controls
Wilt Co., O. B.
Yund Co., W. J.

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Rockbestos Prod. Corp.
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Wiegand Co., Edwin L.

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Maddox Sales Co.
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Thermador Elec'l Mfg. Co
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Wesix Elec. Heater Co.
Westinghouse Elec. Corp.
Westinghouse Elec. Supply Co.
Wiegand Co., Edwin L.

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Carpenter Co., Allen B.
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Congdon Co., Don
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Coombs, Inc., O. W.
Crouse-Hinds Co.
Cunningham & Son, R. E.
Darger Co.
Dawson Co., Jim
Day Brite Lighting
deLeuze Co., Guy
Edstrom, J. E.
E. J. S. Lighting Corp.
The Electric Corp.
General Electric Supply Co.
Gleason & Assoc., Don S.
Gough Industries, Inc.
Graybar Electric Co., Inc.
Gratiot Co., C. B.
Habitat, Inc.
Hamilton Associates
Hartley, Barney H.
Hauch Co., Ernst F.
Hodges & Glomb
Holophane Co., Inc.
Hooey Associates
Humber & Walker Co.
Imhof & Associates
Incandescent Supply Co.
Jones, Robert E.
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Cook Co., E. B.
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Electrical Sales Co.
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Graybar Electric Co.
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Honn Co., Geo. E.
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Incandescent Supply Co.
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Pacific Electric Sales
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(See Floodlights)

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General Electric Supply Co.
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Holzmueller Corp.
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(See Arresters)

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Lorn, Inc.
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McGillan Sales Co.
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PRESCOLITE MFG. CO.
Lighting Fixtures

ARIEL DAVIS MFG. CO.
Stage Lighting & Equipment-Dimmers

Lugs

Anderson Electric Corp.
Anthony Co., F. M.
Arthur & Allen
Blackburn Corp., Jasper
The Frank H. Bran Co.
Buchanan Elec. Prod. Corp.
BullDog Elec. Products Co.
Burndy Corp.
Delta Star Elec. Div.
Dossert Mfg. Corp.
The Electric Corp.
Electrical Specialty Co.
General Elec. Co.
Graybar Elec. Co.
Geo. E. Honn Co.
Incandescent Supply Co.
Industrial Eng. & Equip. Corp.
Ingalls & Associates
Insulator Dept., G. E. Co.
I-T-E Circuit Breaker Co.
W. E. Kirk Co.
Kortick Mfg. Co.
Levin, M.
Maddox Sales Co.
National Elec. Prod. Co.
F. M. Nicholas Co.
O. Z. Electrical Mfg. Co.
Pacific Utilities Supply Co.
Penn-Union Elec. Corp.
Phillips & Edwards Elec. Corp.
Royal Elec. Mfg. Co. Inc.
Safety Switchboard Co.
Square D Co.
Watteredge Co.
Westinghouse Elec. Corp.
Westinghouse Elec. Supply Co.
Wrathall & Krusi

Luminous Ceiling

American Light & Ceiling Co.
Benjamin Elec. Mfg. Co.
Blinn Co., James H.
Bran Co., Frank
Bricker, Bernard E.
Cabot & Associates, Matt
Cloos, Gregg N.
deLeuze Co., Guy
Dilworth, R. L.
General Electric Supply Co.
Graybar Elec. Co., Inc.
Harvey, Barney H.
Hexcel Products Inc.
Jones, Robt. E.
Luminous Ceilings, Inc.
Maddox Sales Co.
Mundstock, James Merrill, David M.
Nicholas Co., F. M.
Peterson Co., C. A.
Jim Shirreffs Co.
Stanley Sales Corp
Sylvania Elec. Prod. Co.
Thallon Sales
United Lighting & Ceiling Co.
Wakefield Co.

Markers

Artwell Elec. Inc.
Best Linemen's Supply Co.
Buckingham Mfg. Co.
Linemen's Supply Corp. of Calif.
General Elec. Co., Chemical Dept.
Graybar Elec. Co., Inc.
Mabi Co.
Maddox Sales Co.
Rising, Inc., H. G.
Tri-State Supply Corp.

Measuring Wheels & Meters

Columbia Products, Inc.
Graybar Elec. Co., Inc.
Murray Mfg. Co.
Roletape, Inc.

Metal Cabinets, Lockers, Frames

Arthur & Allen
Binkley Mfg. Co.
Columbia Products, Inc.
Curry Co.
George A. Gray Co.
Graybar Elec. Co., Inc.
Unistrut Products Co.

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Reels & Accessories
Weights & Measures Approved
Accurate & Efficient
National Wire & Cable Corp., 136 San Fernando Rd., Los Angeles 31;
Ernest F. Hauch, 735 Tehama St., San Francisco 3.
Olympic Instruments, Inc. Vashon, Wash.

Meters

Artwel Elec., Inc.
C. C. Blecksmith
Columbia Products, Inc.
Curry Co.
Duncan Elec. Co., Inc.
The Electric Corp.
General Elec. Co.
General Electric Supply Co.
Graybar Elec. Co.
Geo. E. Honn Co.
Incandescent Supply Co.
Nott, L. A.
Olympic Instruments, Inc.
Phillips & Edwards Elec. Corp.
Pomeroy Co., J. G.
Rising, Inc., H. G.
T. R. Routh Co.
Rowan Controller Co.
Sangamo Elec. Co.
Westinghouse Elec. Corp.
Westinghouse Elec. Supply Co.

Meter Mounting Devices

Adams Mfg. Co.
Anchor Mfg. Co.
Blakeman Bros. Elec. Mfg. Co., Inc.
Bulldog Elec. Co.
Duncan Electric Co., Inc.
Elggren, John
Michel Brothers
Murray Mfg. Co.
Muth-Richards Co.
Nicholas, Fred M.
Reed & Co., L. S.
Tudor & Associates

Meter Sockets, Troughs & Accessories

Alwalt Mfg. Co.
Brill Electric Sales
Duncan Elec. Co., Inc.
The Electric Corp.
General Elec. Co.
General Electric Supply Co.
Graybar Elec. Co., Inc.
Hauch Co., Ernst F.
Incandescent Supply Co.
Industrial Engr. & Equip. Corp.
Meter Devices
Nicholas Co., Fred
Nott, L. A.
Phillips & Edwards Elec. Corp.
Sangamo Electric Co.
Westinghouse Elec. Corp.
Westinghouse Elec. Supply Co.

Meter Testing Equipment

Artwel Elec., Inc.
Best Linemen's Supply Corp.
Blecksmith, C. C.
Duncan Electric Mfg. Co.
Eastern Specialty Co., The
Eichorn & Melchior
General Electric Co.
General Electric Supply Co.
Graybar Electric Co.
Incandescent Supply Co.
Kearns Co., James L.
Knopp, Inc.
Meter Devices
Nott, L. A.
Phillips & Edwards Elec. Corp.
Routh Co., T. R.
Sales Engineers, Inc.
Sangamo Electric Co.
States Co.
Westinghouse Elec. Corp.
Westinghouse Elec. Supply Co.

Mica

Electrical Specialty Co.
General Elec. Co.
C. D. LaMoree
Tri-State Supply Corp.
Westinghouse Elec. Corp.

Mica, Manufactured Products

Electric Specialty Co.
C. D. La Moree
Sierra Elec. Corp.
Tri-State Supply Corp.

Microwave—and Applications

Artwel Electric Inc.
General Electric Co.
General Electric Supply Co.
Graybar Electric Co., Inc.
ITT-Kellogg
Lenkurt Electric Co. Inc.
Maydwell & Hartzell, Inc.
Motorola, Inc.
Prodelin, Inc.
Westinghouse Electric Corp.
Westinghouse Elec. Supply Co.

Motor Brushes

Carbon Engineering
General Electric Co.
Silverman, Roy
Tri-State Supply Corp.
Wesco Electrical Distributors
Westinghouse Elec. Corp.

Motors

Acec Elec. Corp.
Allis Co., Louis
Artwel Elec., Inc.
Allis-Chalmers Mfg. Co.
Backer Co., James L.
Belilove Co.
Brown-Boveri Corp.
Carlson Sales, Inc.
Carns & Hoagland
Cohn & Shane Inc.
Combinator Sales Div., Kurland Motors
Control Switches, Inc.
Dalton, E. R.
Davidson Associates, Joe
Edstrom, J. E.
Electra Motors, Inc.
The Electric Corp.
Electric Motor Supply
Electrical Specialty Co.
General Elec. Co.
General Electric Supply Co.
Gough Industries, Inc.
Graybar Elec. Co.
Guthrie Assoc., Fred G.
Henberger Co., John C.
Howe & Howe Sales
Hundley Co.
Incandescent Supply Co.
Jacobs, Paul D.
Herbert Kaub & Co.
Kurland Motors
Long & Associates
Meussdorffer & Assoc., R.
Motorman Supply Co.
Mueller, Mark G.
Nott, L. A.
Nourse Equipment Co.
Pace-Turpin Co.
Peerless Elec. Div., H. K. Porter Co. Inc.
Peninsula Assoc.
Phillips & Edwards Elec. Corp.
Ridgeway Co.
Rising, Inc., H. G.
Routh Co., T. R.
Rupp Co., Norman
Sangamo Generators, Inc.
Silverman, Roy
Smedley & Assoc., A. B.
Lombard Smith Co.
Southern States Equip. Corp.
Stevens Sales
Stolaroff Co., M. A.
Stroum Co. Inc., S. N.
Stubbs Electric Co.
Tweedy Co., R. E.
Wagner Elec. Corp.
Wesco Electrical Distributors
Westinghouse Elec. Corp.
Westinghouse Elec. Supply Co.
Williams Equip. & Controls
Young & Co., Robt. A.

Motor Control Equipment

Adams Co., George
Allen Bradley Co.
Allis-Chalmers Mfg. Co.
Arthur & Allen
Artwel Electric, Inc.
The Frank H. Bran Co.
Brown-Boveri Corp.
BullDog Elec. Co.
Columbia Electric Mfg. Co.
Clark Controller Co.
E. B. Cook Co.
Combinator Sales Div., Kurland Motors
Crouse-Hinds Co.
The Electric Corp.
Esco Mfg. Co.
Federal Pacific Elec. Co.
Furnas Electric Co.
General Elec. Co.
General Electric Supply Co.
Graybar Elec. Co.
Herbert Kaub & Co.
Incandescent Supply Co.
Kirk Co., W. E.
Kurland Motors
Minorik Elec. Co.
National Elec. Div., H. K. Porter Co. Inc.
Nelson Elec. Mfg. Co.
Phillips & Edwards Elec. Corp.
Rising, Inc., H. G.
T. R. Routh Co.
Square D Co.
Westinghouse Elec. Corp.
Westinghouse Elec. Supply Co.
Young & Co., Robt. A.

Motors, Fractional hp.

Allis-Chalmers Mfg. Co.
Brown-Boveri Corp.
Electra Motors Inc.
Electrical Specialty Co.
General Electric Co.
General Electric Supply Co.
Graybar Elec. Co., Inc.
Howard Industries, Inc.
Incandescent Supply Co.
Phillips & Edwards Elec. Corp.
Rising, Inc., H. G.
Silverman, Roy
Wagner Elec. Corp.
Wesco Electrical Distributors
Westinghouse Elec. Corp.

Motors—Gear

Allis-Chalmers Mfg. Co.
The Electric Corp.
Incandescent Supply Co.
Phillips & Edwards Elec. Corp.
Silverman, Roy
Wesco Electrical Distributors

Motors Generators

Allis-Chalmers Mfg. Co.
Artwell Electric, Inc.
Brown-Boveri Corp.
Combinator Sales Div., Kurland Motors
General Electric Co.
Graybar Elec. Co.
Herbert Kaub & Co.
Kurland Motors
Westinghouse Elec. Corp.

Motor Winding—Repair Equipment

Arthur & Allen
Buchanan Elec'l Prod. Co.
Electric Motor Supply
Electrical Specialty Co.
Gough Industries Inc.
Incandescent Supply Co.
Kearns Co., James L.
Maddox Co., John H.
Maddox Sales Co.
Motorman Supply Co.
Nicholas Co., F. M.
Phillips & Edwards Elec. Corp.
Riggs Inc., C. E.
Rising, Inc., H. G.
Silverman, Roy
Tri-State Supply Co.
Wesco Electrical Distributors

Nails & Staples, Nuts, Screws
Allied Industries, Inc.
Blackburn Corp., Jasper
Buchanan Elec. Prod. Corp
Copperweld Steel Co.
Duggan Co., E. J.
Fullman Mfg. Co.
General Electric Supply Co.
Gray Co., George
Graybar Elec. Co., Inc.
Incandescent Supply Co.
Ingalls & Associates
Keeler, White Co.
Kortick Mfg. Co.
Line Material Industries, Div. McGraw-Edison Co.
James Mundstock
Maydwell & Hartzell, Inc.
Nicholas Co., Fred
Payne & Sloan, Inc.
Phillips & Edwards Elec. Corp.
Southwestern Agencies
Thiel Tool Engineering Co.

Nuclear Reactors
Allis-Chalmers Mfg. Co.
Atomics International Div., North American Aviation
Babcock & Wilcox
Graybar Elec. Co.
Kaiser Engineers
Westinghouse Elec. Corp.

Oil, Lubricating
Electro Compound Co.
Enjay Co.
General Electric Supply Co.
Shell Oil Co.
Standard Oil Co.

Oil, Transformer & Switch
General Elec. Co.
General Electric Supply Co.
Graybar Elec. Co., Inc.
Line Material Industries, Div. McGraw-Edison Co.
Shell Oil Co.
Standard Oil Co.
Westinghouse Electric Corp.
Westinghouse Elec. Supply Co.

Outlets, Hanger
Benjamin Elec. Mfg. Co.
General Electric Co.
General Electric Supply Co.
Graybar Elec. Co., Inc.
Hubbell, Inc., Harvey
Incandescent Supply Co.
Maddox Sales Co.
National Elec. Prod. Corp.
Pass & Seymour, Inc.
Phillips & Edwards Elec. Corp.

Paint, Heat Resisting
L. B. Allen Co.
Standard Oil Co.
Subox, Inc.
Tri-State Supply Corp.
Wrathall & Krusi

Paint, Insulating
General Electric Co.
General Electric Supply Co.
Graybar Elec. Co., Inc.
Dan Kamphausen Co.
LaMoree, L. D.
Montgomery Brothers Inc.
Subox, Inc.
Wrathall & Krusi

Paint, Luminous
Shannon Luminous Materials

Paint, Transmission Poles, Tree
Bartlett Mfg. Co.
Graybar Elec. Co., Inc.
Dan Kamphausen Co.
Subox, Inc.
Wrathall & Krusi, Inc.

Panels, Radiant Heat
(See Radiant Heat)

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Allied Industries
Arthur & Allen
Benjamin Elec. Mfg. Co.
BullDog Elec. Products Co.
BullDog Elec. Co. of LA
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Crouse-Hinds Co.
Eichorn & Melchior
The Electric Corp.
Electrical Sales Co.
Federal Pacific Elec. Co.
Garrison & Co.
General Elec. Co.
General Electric Supply Co
Graybar Elec. Co.
Hampden Engineering Corp.
Hodges & Glomb
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Johns-Manville
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National Electric Div., H. K. Porter Co. Inc.
Phillips & Edwards Elec. Corp
T. R. Routh Co.
Sierra Switchboard Co.
Safety Switchboard Co.
Square D Co.
Wadsworth Elec. & Mfg. Co.
Western Switchboard Co.
Westinghouse Elec. Corp.
Westinghouse Elec. Supply Co

Photoelectric Controls
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Auto-Tron Inc.
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Ingalls Associates
Joslyn Pacific
Maydwell & Hartzell
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Phillips & Edwards Elec. Corp.
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Ripley Co., Inc.
Roth Controls
Slusser, L. M.
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Westinghouse Elec. Supply Co.
Wrathall & Krusi, Inc.

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Graybar Elec. Co.
Incandescent Supply Co.
Insulator Dept., GE Co.
Kortick Mfg. Co.
Line Material Industries, Div. McGraw-Edison Co.
Locust Pin Co.
Maydwell & Hartzell, Inc.
Phillips & Edwards Elec. Corp.
Westinghouse Elec. Corp.
Westinghouse Elec. Supply Co.

Pipe, Plastic
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Curry Co.
Graybar Elec. Co., Inc.
Incandescent Supply Co.
Kraloy Plastic Pipe Co.
Matzinger-Johnson Co.
Orangeburg Mfg. Co., Inc.
Phillips & Edwards Elec. Corp.
Southwestern Plastic Pipe Co.
Triangle Conduit & Cable Co.
Triangle Plastic Pipe Co.

Plants, Low-Voltage Lighting
Sierra Elec. Corp.
Westinghouse Elec. Corp.
Westinghouse Elec. Supply Co.

Plastic Materials
Plastic Age Co.

Plates, Flush Switch and Outlet
Benz Co., Fred D.
Conduit Pipe Products Co.
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General Elec. Co.
Graybar Elec. Co., Inc.
Incandescent Supply Co.
Matzinger-Johnson Co.
Pass & Seymour
Phillips & Edwards Elec. Corp.
Sierra Elec. Corp.
Westinghouse Elec. Corp.
Westinghouse Elec. Supply Co.

Plugs, Knockout
Buchanan Elec'l Products Corp.
Electrical Fittings Corp.
Keeler, White Co.
Matzinger-Johnson Co.
Nicholas Co., Fred M.

Plugs, Receptacles
Allied Industries
Bell Electric Co.
Benjamin Elec. Mfg. Co.
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Incandescent Supply Co.
Industrial Engr. & Equip. Corp.
Killark Elec. Mfg. Co.
Matzinger-Johnson Co.
National Elec. Div., H. K. Porter Co. Inc.
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Payne & Sloan, Inc.
Phillips & Edwards Elec. Corp.
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Sierra Elec. Corp.
Sta-Tite Mfg. Co.
States Co.
Stubbs Electric Co.
Westinghouse Elec. Corp.
Westinghouse Elec. Supply Co.
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English, R. C.
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Schow, Robert M.
Steel City Electric Co.

Pole, Jacks
FWD Co.
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McCabe Powers Body Co.
Holan Corp., J. H.
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Tel-E-Lect Products
Truck Equip. Co.
Utility Body Co.

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Baxter Co.
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Brewer-Titchener Corp.
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Earl S. Condon
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Ford Co., Inc., T. A.
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Ryals Co., K. M.
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Stone, Carlos
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Benz Co., Fred D.
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Carney & Co., B. J.
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deLeuze Co., Guy
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Elggren Co., John
Garrison & Co.
Gate City Steel
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Hauch Co., Ernst F.
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Joslyn Pacific
Kerrigan
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Pacific Union Metal Mfg. Co.
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Reynolds Metals Co.
Sales Engineers, Inc.
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Union Metal Mfg. Co.
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Western Power Products, Inc.
Westinghouse Elec. Corp.
Westinghouse Elec. Supply Co.
Wrathall & Krusi

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Curry Co., The
Delta-Star Electra Div., H. K. Porter Co. Inc.
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Pinco Div. Joslyn Mfg. & Supply
Square D Co.
Shirreffs Co., Jim
Thomas Works, H. K. Porter Co., Inc.
Victor Insulators Div.
Westinghouse Elec. Corp.
Westinghouse Elec. Supply Co.

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G & W Electric Specialty
General Electric Co.
Graybar Elec. Co.
Guire, H. C.
Incandescent Supply Co.
Ingalls & Sons, C. E.
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McGraw-Edison Co.
Matzinger-Johnson Co.
Ohio Brass Co.
O. Z. Elec'l Mfg. Co.
Phillips & Edwards Elec. Corp.
Randolph Industries
Westinghouse Elec. Corp.
Westinghouse Elec. Supply Co.

Power Plants, Generating—
Portable, Reserve
Allis-Chalmers
Columbia Elec. Mfg. Co.
Electro-Motive Div. General Motors
General Electric Co.
Graybar Electric Co.
Leach Corp.
Myers Electric Products, Inc.
Onan & Sons, Inc.
Pyle-National Co.
Westinghouse Electric Corp.

Preservatives, Wood, Metal, Concrete
DuPont deNemours Co., E. I.
Empire Metal Products
Geo. E. Honn Co.
Kamphausen Co., Dan
James R. Kearney Corp.
Maydwell & Hartzell, Inc.
McCormick & Baxter Creosoting Co.
Pipe Linings, Inc.
Pole Inspectors & Treaters, Inc.
Seculate
Shell Oil Co.
Standard Oil Co.
Subox, Inc.
Wrathall & Krusi

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Henderson-Hazel Corp.
National Price Service

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Graybar Elec. Co.

Protectors, Guy Wire
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Federal Pac. Elec. Co.
Fanner Mfg. Co.
Graybar Elec. Co.
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Hubbard & Co.
Insulator Dept., GE Co.
James R. Kearney Corp.
Kirk Co., W. E.
Kortick Mfg. Co.
Line Material Industries, Div.
McGraw-Edison Co.
Maydwell & Hartzell, Inc.
Pacific Utilities Supply Co.
Ryals Co., K. M.
Westinghouse Elec. Corp.
Westinghouse Elec. Supply Co

Public Address Systems
Burcham, Don H.
General Elec. Co.
General Elec. Supply
Graybar Elec. Co.
University Loud Speakers

Pullers, Cable
Barth Corp.
Cope, T. J., Div. Rome Cable
Economy Cable Grip Co.
Ford Co., Inc.
Graybar Elec. Co., Inc.
Greenlee Tool Co.
Honn Co., George E.
Imholt Co., W. B.
Incandescent Supply Co.
Industrial Eng. & Equip. Co.
Matzinger-Johnson Co.
Phillips & Edwards Elec. Corp.
Watteredge Co.

Pullers, Fuse
Buchanan Elec'l Products Co.
Federal Pacific Elec. Co.
General Elec. Co.
General Electric Supply Co.
Graybar Elec. Co., Inc.
Ideal Industries, Inc.
Incandescent Supply Co.
Kearney Corp., James R.
Maddox Sales Co.
Maydwell & Hartzell, Inc.
Nicholas, F. M.
Phillips & Edwards Elec. Corp.
S & C Elec. Co.
Westinghouse Elec. Corp.
Westinghouse Elec. Supply Co.

Pullers, Slack
Greenlee Tool Co.
Graybar Elec. Co.
Honn Co., George E.
Jasper Blackburn Corp.
Knight Mfg. Co.
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Pumps, Boiler Feed
Air Preheater Corp.
Allis-Chalmers Mfg. Co.

Pumps
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Cook Co., E. P.
Humber & Walker Co.
Jones Co., J. Henry
Metcalf & Co., Inc., James I.
Pace-Turpin & Co.
Pacific Pumps, Inc.
Tait Mfg. Co.
Williams Equip. & Controls

Pumps, Heat
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American Coils Co.
Carrier Corp.
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Cook Co., E. P.
Coolerator Div. McGraw-Edison
Fedders Corp.
General Electric Co. Air Conditioning Div.
General Elec. Co. Appliance Div.
Lennox Industries, Inc.
Mueller Climatrol Div.
Perfection Industries Div.
Taco Heaters, Inc.
Westinghouse Elec. Corp.

Raceway and Fittings
Allied Industries
Alwalt Electrical Co.
Brill Electric Sales
The Electric Corp.
Federal Pacific Elec. Co.
Feedrail Corp.
Garrison & Co.
George A. Gray Co.
Graybar Electric Co.
Incandescent Supply Co.
ITEE Co.
Metalite Products, Inc.
Nat. Elec. Div. H. K. Porter Co. Inc.
Phillips & Edwards Elec. Corp.
Safety Switchboard Co.
Sierra Elec. Corp.
Square D Co.
Steel City Elec. Co.
Western Switchboard Co.
Westinghouse Electric Corp.
Westinghouse Elec. Supply Co.
Wiremold Co.

W. A. McGUIRE
164 S. Central Ave.
Los Angeles 12, Calif.
MAdison 4-6828
Manufacturers' Representative
The Art Metal Co. — Hub Electric Co.
Wakefield Co. — Duratex Corp.

Racks
Allis-Chalmers Hydraulic Div.
Arthur & Allen
Columbia Products, Inc.
Curry Co.
Delta Star Elec. Div.
H. K. Porter Co., Inc.
G & W Elec. Specialty
Graybar Elec. Co., Inc.
Hubbard & Co.
Husky Products, Inc.
Incandescent Supply Co.
Insulator Dept., GE Co.
W. E. Kirk Co.
Kortick Mfg. Co.
Line Material Industries, Div.
McGraw-Edison Co.
Maydwell & Hartzell, Inc.
Nat'l Electric Div.,
H. K. Porter Co., Inc.
Phillips & Edwards Elec. Corp.
Shirreffs Co., Jim
Westinghouse Electric Corp.
Westinghouse Elec. Supply Co.

INTERNATIONAL RECTIFIER CORPORATION
El Segundo, California
ORegon 8-6281
World's largest supplier of industrial metallic rectifiers — selenium, silicon — for all d. c. needs, from microwatts to megawatts. Representatives throughout the world.

Radiant Heating Panels
Ampere Ind.
Berko Elec. Mfg. Co.
Benz Co., Fred D.
Ceilheat, Inc.
Condon, Earl S.
Everwarm, Inc.
Howard & Goepp Co.
Kirk Co., W. E.
Markel Electric Prod., Inc.
Roberson, Inc.
Rumar Heating Corp.
Thermador Elect. Mfg. Co.

Radio Equipment
Arthur & Allen
Backer Co., James J.
Burcham Co., Don H.
Cohn & Shane, Inc.
Condon Co., Earl S.
Dougherty Enterprises
General Electric Co.
General Electric Supply Co.
Gough Industries, Inc.
Graybar Electric Co.
Hodges & Glomb
Keeler, White Co.
Kolans & Co., Bill
Long & Associates
Markman Co., Mark
Marsh Agencies, Inc.
Marshall Co., G. S.
Maydwell & Hartzell, Inc.
Motorola, Inc.
Paratech
Peninsular Assoc.
Prodelin, Inc.
Saul & Assoc., H. M.
Sierra Elec. Corp.
Smedley Associates, A. L.
Stevens Co., Inc., Thomas L.
Stridal Corp.
Stroum Co., Inc., S. N.
Stubbs Electric Co.
Westinghouse Electric Corp.

Reactors, Power
Air Preheaters Corp.
Artwel Elec., Inc.
Babcock & Wilcox
Combustion Eng. Inc.
Delta-Star Elec. Div.,
H. P. Porter Co., Inc.
General Electric Co.
General Elec. Supply Co.
International Rectifier Corp.
Sorgel Electric Corp.
Westinghouse Electric Corp.
Westinghouse Elec. Supply Co.

Receptacles
Allied Industries
Bell Electric Co.
Benjamin Elec. Mfg. Co.
Betts & Betts
Bran Co., Frank
Brill Electric
Buchanan Elec'l Prod. Corp.
Cook Co., E. B.
Crouse-Hinds Co.
Eagle Electric & Mfg. Co.
Electric Corp.
General Elec. Co.
General Electric Supply
Gray Co., George
Graybar Electric Co.
Hubbell, Inc., Harvey
Incandescent Supply Co.
Industrial Eng. & Equip. Corp.
Killark Elec. Mfg. Co.
Kirk Co., C. E.
Matzinger-Johnson Co.
Nicholas, F. M.
Pass & Seymour, Inc.
Phillips & Edwards Elec. Corp.
Pomeroy Co., J. G.
Royal Electric Corp.
Sierra Electric Corp.
Slater Elec. Mfg. Co., Inc.
Sta-Tite Mfg. Co.
States Co.
Stubbs Electric Co.
Westinghouse Electric Corp.
Westinghouse Electric Supply Co.
Will, E. A.

Reclosers
Benjamin Elec. & Mfg. Co.
Brill Electric Sales
Crouse-Hinds Co.
Curtis All-Brite Lighting Co.
Day-Brite Lighting Co.
Federal Pacific Elec.
General Electric Co.
General Elec. Supply Co.
Geo. A. Gray Co.
Graybar Electric Co.
Holophane Co.
Incandescent Supply Co.
Industrial Eng. & Equip. Co.
Line Material Industries, Div.
McGraw-Edison Co.
F. M. Nicholas Co.
Phillips & Edwards Elec. Corp.
R I & E Equip. Div.
Randolph Engineering Corp.
Smedley & Associates, A. B.
Smoot-Holman Co.
Stubbs Electric Co.
Westinghouse Electric Corp.
Westinghouse Elec. Supply Co.

Rectifiers—Power
Allis Chalmers Mfg. Co.
Artwel Electric, Inc.
Ashton, William J.
Backer Co., James J.
Belilove Co.
Bennett Co., F. E.
Brown-Boveri Co.
Burcham Co., Don H.
Carlson Sales, Inc.
Cohn & Shane, Inc.
Cook Co., E. B.
Dalton, C. R.
Dawson Co., Jim
Diablo Co.
Edstrom, J. E.
Eichorn & Melchior
Ford Co., T. A.
General Electric Co.
Graybar Electric Co.
Guthrie Assoc., Fred G.
Holmes Co., Carl E.
Incandescent Supply Co.
Ingalls, C. E. & Sons
International Rectifier Corp.
I-T-E Circuit Breaker Co.
Herbert Kaub & Co.
Kearns Co., James L.
W. E. Kirk Co.
Knopp, Inc.
Long & Associates
Maydwell & Hartzell, Inc.
Metcalf & Co., Inc., James I.
Peninsular Assoc.
Phillips & Edwards Elec. Corp.
Polich, Inc., Andrew L.
Pomeroy Co., J. G.
Routh Co., T. R.
Stroum & Co., Inc., S. N.
Smedley & Assoc., A. B.
Stubbs Elec. Co.
Thallon Sales
Western Electro Mechanical
Western Power Prods. Inc.
Westinghouse Electric Corp.
Westinghouse Elec. Supply Co.
Williams Co., Allen I.
Young & Co., Robert A.

Reels and Equipment
Appleton Elec. Co.
Benz Co., Fred D.
Carder, Jr., Co., John
Columbia Products, Inc.
Curry Co.
FWD Co.
Gough Industries, Inc.
Graybar Electric Co.
Geo. E. Honn Co.
Incandescent Supply Co.
Jet Line Gun Co.
McCabe Powers Body Co.

Olympic Instruments, Inc.
Phillips & Edwards Elec. Corp.
J. G. Pomeroy
Rolatape, Inc.
Truck Equipment Co.
Utility Body Co.
Westinghouse Electric Corp.
Westinghouse Elec. Supply Co.
Wrathall & Krusi

Reflectors

Appleton Elec. Co.
Arthur & Allen
Benjamin Elec. Mfg. Co.
Benz Co., Fred D.
Bran Co., Frank H.
Crouse-Hinds Co.
Day-Brite Lighting, Inc.
The Electric Corp.
Eichorn & Melchior
General Electric Co.
Gray Co., Geo. A.
Graybar Electric Co.
Hodges & Glomb
Holophane, Inc.
Hubbell, Inc., Harvey
Incandescent Supply Co.
Keeler, White Co.
Killark Elec. Mfg. Co.
Line Material Industries, Div. McGraw-Edison Co.
Maddox Sales Co.
Nicholas Co., F. M.
Phillips & Edwards Elec. Corp.
Pomeroy Co., J. G.
Shirreffs Co., Jim
Smoot-Holman Co.
Steber Mfg. Co. of Calif.
Stubbs Electric Co.
Westinghouse Elec. Corp.
Westinghouse Elec. Supply Co.

Refractories

Johns-Manville
Kaiser Aluminum & Chemical Corp.
Morganite, Inc.

Regulators, Voltage

Artwell Electric, Inc.
Allis-Chalmers Mfg. Co.
Belilove Co.
Burcham Co., Don H.
Carlson Sales, Inc.
Central Transformer
Cohn & Shane, Inc.
Control Switches, Inc.
Corrin, John G.
Davidson & Associates, Joe
Delta-Star Elec. Div., H. K. Porter Co., Inc.
Diablo Co.
Electric Regulator Corp.
General Electric Co.
Gough Industries, Inc.
Graybar Electric Co.
Hamilton Associates
Honn Co., George E.
Incandescent Supply Co.
Kearns Co., James L.
W. E. Kirk Co.
Line Material Industries, Div. McGraw-Edison Co.
Moloney Elec. Co.
Paratech
Parsons Co., C. B.
Peninsular Assoc.
Pennsylvania Transformer Div.
Phillips & Edwards Elec. Corp.
The T. R. Routh Co.
Sherriff Co., Jim
Smedley & Associates, A. B.
Southern States Equip. Corp.
Square D Co.
Stroum & Co., Inc., S. N.
Superior Elec. Co.
The States Co.
Stubbs Electric Co.
Wagner Elec. Corp.
Western Power Products, Inc.
Westinghouse Elec. Corp.
Westinghouse Elec. Supply Co.

Regulators, Hydraulic

Automatic Timing and Controls
General Controls Co.
Bendix Pacific Div.
Woodward Governor

Relays

Acro Div., Robertshaw-Fulton
Adams & Westlake Co.
Allen-Bradley Co.
Allied Industries
Allis-Chalmers Mfg. Co.
Artwel Electric, Inc.
Backer Co., James J.
Belilove Co.
Burcham Co., Don H.
Campbell & George
Cains-Hoaglund
Church, L. F.
Clapp, R. B.
Clark Controller Co.
Earl S. Condon Co.
Cohn & Shane, Inc.
Control Switches, Inc.
E. B. Cook Co.
Cook Co., E. P.
Cornell-Dubilier Electronics Div., Federal Pacific Elec. Co.
Cunningham & Son, R. E.
deLeuze Co., Guy
Dougherty Enterprises
Easterbrook, H. D.
Edwards Co., Inc.
Eicher & Co.
Eichorn & Melchior
Elastic Stop Nut Corp. of America
The Electric Corp.
Electric Motor Supply
Esco Mfg. Co.
Everley Co., Paul S.
Federal Pacific Electric
Fisher Switches Div.
Fisher-Pierce Co., Inc.
General Electric Co.
General Elec. Supply Co.
Gorman, F. W.
Graybar Electric Co.
Henberger Co., John C.
Holmes, Carl E.
Howe & Howe Sales
Hundley Co.
Incandescent Supply Co.
I-T-E Circuit Breaker Co.
Kaufman, Jack
Kearns Co., James L.
Lakeshore Electric
Line Material Industries, Div. McGraw-Edison Co.
Long Associates
Marsh Agencies, Inc.
Maydwell & Hartzell, Inc.
Mueller, Mark G.
Nash, A. W.
Northwest Sales & Engineering
Parsons Co., C. B.
Peninsular Assoc.
Phillips & Edwards Elec. Corp.
Polich, Inc., Andrew L.
Pomeroy Co., J. G.
Porter Co., Don
Rising, Inc., H. G.
Routh Co., T. R.
Sierra Elec. Corp.
Silverman, Roy
Smedley & Assoc., A. B.
Smith Co., Lombard
Southern States Equip. Corp.
Sperti-Faraday
Square D Co.
Standard Electric Sales
The States Co.
Stearns Sales Co.
Stevens Sales
Stolaroff, M. A.
Stridal Corp.
Stubbs Electric Co.
Wesco Electrical Distributors
Western Electro Mechanical
Westinghouse Elec. Corp.
Westinghouse Elec. Supply Co.
Wood Co., Thomas S.

Resistors

Allen Bradley Co.
Backer Co., James J.
Burcham Co., Don H.
Church, L. F.
Cook Co., E. B.
H. D. Easterbrook
Electric Motor Sales
General Electric Co.
General Elec. Supply Co.
Gough Industries
Guthrie Assoc., Fred G.
Hodges & Glomb
Honn Co., Geo. E.
Incandescent Supply Co.
I-T-E Circuit Breaker Co.
Kolans & Co., Bill
Long & Associates
Marsh Agencies, Inc.
Montgomery Bros., Inc.
Mueller, Mark G.
L. A. Nott
Parsons Co., C. B.
Phillips & Edwards Elec. Corp.
Riggs, Inc., C. E.
Rising, Inc., H. G.
Routh Co., T. R.
Ryals Co., K. M.
Square D Co.
Stevens Sales
Stolaroff, M. A.
Stridal Corp.
Stroum Co., Inc., S. N.
Stubbs Electric Co.
Tuttle & Co., H. W.
Tivy Co., George S.
Westinghouse Elec. Corp.
Westinghouse Elec. Supply Co.
Williams Co., Allen I.

Rheostats

Allen-Bradley Co.
General Electric Co.
General Elec. Supply Co.
Graybar Electric Co.
Honn Co., Geo. E.
Incandescent Supply Co.
Ohio Carbon Co.
Phillips & Edwards Elec. Corp.
Rising, Inc., H. G.
Ryals Co., K. M.
S & C Electric Co.
Square D Co.
Westinghouse Elec. Corp.
Westinghouse Elec. Supply Co.

Rings, Cable

A. B. Chance Co.
Copperweld Steel Co.
Everstick Anchor Co.
General Elec. Supply Co.
Graybar Electric Co.
Hubbard & Co.
Insulator Dept., GE Co.
Line Material Industries, Div. McGraw-Edison Co.
National Tel. Supply Co.
Sierra Elec. Co.

Roasters

General Electric Co.
General Elec. Supply Co.
Graybar Electric Co.
Hotpoint Div. GE
Westinghouse Elec. Corp.
Westinghouse Elec. Supply Co.

Rods, Anchor & Guy

A. B. Chance Co.
Everstick Anchor Co.
Copperweld Steel Co.
Empire Metal Prod. Co.
Graybar Elec. Co.
General Elec. Co.
General Elec. Supply Co.
Honn Co., Geo.
Hubbard & Co.
Incandescent Supply Co.
Ind. Eng. & Equip. Co.
Insulator Dept., GE Co.
James R. Kearney Corp.
Kortick Mfg. Co.
Line Material Industries, Div. McGraw-Edison Co.
Maydwell & Hartzell, Inc.
Phillips & Edwards Elec. Corp.
Ryals Co., K. M.
Westinghouse Elec. Corp.
Westinghouse Elec. Supply Co.

Rubber Products

Best Linemen's Supply Corp.
Earl S. Condon Co.
Graybar Elec. Co., Inc.
Johns-Manville
Line Material Industries, Div. McGraw-Edison Co.
Linemen's Supply Corp. of Calif.
Western Hardware & Tool Co.
Wicx Merit Glove Co.

Rural Line Hardware

Anderson Elec. Corp.
Jasper Blackburn Corp.
A. B. Chance Co.
General Electric Supply Co.
Graybar Elec. Co.
Honn Co., George E.
Hubbard & Co.
Industrial Eng. & Equip. Corp.
Insulator Dept., GE Co.
James R. Kearney Corp.
Killark Elec. Mfg. Co.
Kortick Mfg. Co.
Lapp Insulator Co.
Line Material Industries, Div. McGraw-Edison Co.
Maydwell & Hartzell, Inc.
Nat'l Elec. Prod. Corp.
Nicholas Co., F. M.
Ohio Brass Co.
Pacific Utilities Supply Co.
Porcelain Products, Inc.
Penn-Union Elec. Corp.
Ryals Co., K. M.
Western Hardware & Tool Co.
Westinghouse Elec. Corp.
Westinghouse Elec. Supply Co.
Wrathall & Krusi

Safety Equipment

Agencies Co.
Allied Industries
Best Linemen's Supply Corp.
Buckingham Mfg. Co.
Bullard Co., E. D.
Brenton Equip. Co.
A. B. Chance Co.
R. E. Cunningham & Son
Everley Co., Paul S.
Fibre Metal Pacific, Inc.
Ford Co., Inc., T. A.
General Electric Supply Co.
Gentex Corp.
Graybar Elec. Co.
Geo. E. Honn Co.
Imhof & Assoc., E. J.
Industrial Eng. & Equip. Corp.

PAUL D. JACOBS
Manufacturers' Representative
420 Market St.
San Francisco 11, Calif.
PHONE: YUkon 2-7266

Kearns Co., James L.
Kearney Corp., James R.
Linemen's Supply Corp. of Calif.
Mathias Klein & Sons
Maddox Co., John H.
Maddox Sales Co.
Maydwell & Hartzell, Inc.
Pacific Utilities Supply Co.
Peninsular Assoc.
Pruzan Co., Jack
R & M Sales
Safety Electric Equipment Co.
Shirreffs Co., Jim
Smedley & Assoc., A. B.
Stubbs Electric Co.
Surety Rubber Co.
Wells, Wayne C.
Western Electro Mechanical
Western Hardware & Tool Co.
Westinghouse Elec. Corp.
Westinghouse Elec. Supply Co.
Wicx-Merit Glove Co.

Scaffolds

Benz Co., Fred D.
Graybar Elec. Co., Inc.

Screws, Rivets

Duggan Co., Edward J.
Graybar Elec. Co., Inc.
Kortick Mfg. Co.
Westinghouse Elec. Corp.

Seals (See Fastening Devices)

Service Organizations

American Tel. & Tel. Co.
Bechtel Corp.
Certified Equipment Manufacturers
Fluor Corp., Ltd.
Northwest Elec. Light & Power Association
Pacific Coast Elec'l Assn.
Pacific Gas & Elec. Co.
Parsons Co., Ralph M.
RLM Standards Institute, Inc.
So. Calif. Edison Co., Ltd.
Stearns-Roger Mfg. Co.

Signals

Benjamin Elec. Mfg. Co.
Condon Co., Earl S.
Crouse-Hinds Co.
Econolite Corp.
Edwards Co., Inc.
General Elec. Co.
The Electric Corp.
Faraday Inc.
George A. Gray Co.
Graybar Elec. Co.
Hughey & Phillips, Inc.
Incandescent Supply Co.
Lynch Communications Systems, Inc.
Nicholas Co., F. M.
Phillips & Edwards Elec. Corp.
Pomeroy Co., J. G.
Sierra Elec. Corp.
Westinghouse Elec. Corp.
Westinghouse Elec. Supply Co.

Signs, Electrical

Day-Brite Lighting, Inc.
General Electric Supply Co.
Linemen's Supply Co. of Calif.
Pfaff & Kendall

Sirens

Campbell & George
Edwards Co., Inc.
The Electric Corp.
Faraday Inc.
General Electric Supply Co.
Geo. A. Gray Co.
Graybar Elec. Co.
Incandescent Supply Co.
Nicholas Co., F. M.
Phillips & Edwards Elec. Corp.
Westinghouse Elec. Corp.
Westinghouse Elec. Supply Co.

Sleeves, Repair

Graybar Elec. Co., Inc.
Mend-It-Sleeve Mfg. Co.
Tri-State Supply Corp.

Sleeves, Wire Splicing
Aluminum Co. of America
Anaconda Wire & Cable
Anthony Co., F. M.
Blackburn Corp., Jasper
Buchanan Elec'l Prod. Corp.
Burndy Eng. Co.
Electrical Specialty Co., Inc.
Graybar Elec. Co.
Incandescent Supply Co.
Jas. R. Kearney Corp.
C. D. La Moree
Line Material Industries, Div. McGraw-Edison Co.
Maydwell & Hartzell, Inc.
Mend-It-Sleeve Mfg. Co.
National Tele. Supply Co.
Nicholas Co., F. M.
Penn-Union Elec. Corp.
Phillips & Edwards Elec. Corp.
Westinghouse Elec. Corp.
Westinghouse Elec. Supply Co.

Sockets, Lamp
Anchor Mfg. Co.
Benjamin Elec. Mfg. Co.
Brill Elec. Sales
Cook Co., E. B.
Eagle Elec. Mfg. Co.
The Electric Corp.
Elggren, John
General Elec. Co.
Graybar Elec. Co., Inc.
Hubbell Inc., Harvey
Line Material Industries, Div.
Michel Brothers
Muth-Richards Co.
Nott, L. A.
Pass & Seymour
Pomeroy Co., J. G.
Reed & Co., L. S.
Royal Electric Corp.
Royal Elec. Mfg. Co. Inc.
Jim Shirreffs Co.
Sierra Elec. Corp.
Silverman, Roy
Tudor & Associates
Wesco Electrical Distributors
Westinghouse Elec. Corp.
Westinghouse Elec. Supply Co.

Solders, All Types, & Soldering Equipment
L. B. Allen Co.
Alpha Metals, Inc.
Coffin, E. C.
General Elec. Co.
Graybar Elec. Co.
Gratiot Co., C. B.
Incandescent Supply Co.
Kester Solder Co.
Maddox Sales Co.
Phillips & Edwards Elec. Corp.
Rising, Inc., H. G.
Tri-State Supply Corp.
Wilcox, George P.

Solenoids
Allen-Bradley Co.
American Solenoid
Artwel Elec. Inc.
Automatic Switch Co.
Cornell-Dubilier Electronics Div., Federal Pacific Elec. Co.
The Electric Corp.
General Electric Co.
General Elec. Supply Co.
Graybar Elec. Co., Inc.
Henberger Co., John C.
Incandescent Supply Co.
Kearns Co., James L.
Knopp, Inc.
Phillips & Edwards Elec. Corp.
Rising, Inc., H. G.
Roebling's Sons Co., John A.
Square D Co.
Struthers-Dunn
Wells Co., Wayne C.
Westinghouse Elec. Corp.
Westinghouse Elec. Supply Co.

Spacers, Underground Duct
Allied Industries, Inc.
Arthur & Allen
Graybar Elec. Co., Inc.
Maydwell & Hartzell, Inc.
Sierra Elec. Corp.
Soapstone Duct Co.
Will, E. A.

Splices, Kits and Equipment
American Steel & Wire
Amp, Inc.
Anderson Electric Corp.
Anthony Co., F. M.
Buchanan Electrical Products Corp.
Cam Lock Div.
Burndy Corp.
Condon Co., Earl S.
Electrical Specialty Co.
Empire Products, Inc.
Fanner Mfg. Co.
Fargo Mfg. Co.
G&W Elec. Specialty Co.
Garrison & Co.
Graybar Elec. Co., Inc.
Guire, H. C.
Honn Co., George E.
Husky Products, Inc.
Ingalls Associates
Indiana Steel & Wire
Jacobs, Paul D.
Joslyn Mfg. & Supply
Kaiser Alum. & Chem. Corp.
Kearney Corp., James R.
Line Material Industries
Matzinger-Johnson Co.
Maydwell & Hartzell, Inc.
Pacific Utilities Supply
Penn Union Electric Corp.
PLM Products, Inc.
Preformed Line Products
Russgreen Mfg. Co.
Ryals Co., K. M.
Thomas & Betts Co.
Wrathall & Krusi, Inc.

Staples (See Nails, Staples)

Staplers (See Fastening Devices)

Starters, Fluorescent Lamp
Bach Electric Pete
The Frank Bran Co.
Commercial Lighting Equip. Co.
Clark Controller Co.
deLeuze Co., Guy
General Elec. Co.
General Electric Supply Co.
Graybar Elec. Co.
Hub Electric Mfg. Co.
Hubbell, Inc., Harvey
Incandescent Supply Co.
Ingalls Associates
Nelson Elec. Mfg. Co.
Phillips & Edwards Elec. Corp.
Pomeroy Co., J. G.
Royal Electric Corp.
Westinghouse Elec. Corp.
Westinghouse Elec. Supply Co.

Starters, Motor, Electric
Allen-Bradley Co.
Allis-Chalmers Mfg. Co.
Cook Co. Inc., E. B.
The Electric Corp.
Federal Pacific Electric
Furnas Elec. Co.
General Electric Supply Co.
Graybar Elec. Co., Inc.
Incandescent Supply Co.
Nelson Elec. Mfg. Co.
Phillips & Edwards Elec. Corp.
Randolph Industries
Rising, Inc., H. G.
Square D Co.
Westinghouse Electric Corp.
Westinghouse Elec. Supply Co.

Starters, Magnetic
Allen-Bradley Co.
Cook Co., E. B.
Federal Pacific Electric Co.
Furnas Electric
Incandescent Supply Co.
Jones Co., J. Henry
Phillips & Edwards Elec. Corp.
Rising, H. G.
Smith Co., Lombard
Square D Co.
Westinghouse Electric Corp.

Stokers
Westinghouse Elec. Corp.
Westinghouse Elec. Supply Co.

Strand, Guy
Copperweld Steel Co.
Graybar Elec. Co.
Incandescent Supply Co.
Indiana Steel & Wire Co.
Ingalls, C. E., & Sons
Insulator Dept., GE Co.
Line Material Industries, Div. McGraw-Edison Co.
Olin Conductors
Pacific Utilities Supply Co.
Page Steel & Wire Div.
Phillips & Edwards Elec. Corp.
Maydwell & Hartzell, Inc.
Southern Electrical Co.

Straps, Conduit, Cable (See Supports)
Fisher-Pierce Co.

Straps, Safety (See Belts and Safety Equip.)

Street Lighting Controls
Acme Wire Co.
Econolite Corp.
Fisher-Pierce Div.
General Electric Co.
General Electric Supply Co.
Graybar Electric Co., Inc.
Ingalls & Sons, C. E.
Industrial Eng. & Equip. Corp.
Maydwell & Hartzell, Inc.
Precision Multiple Controls
Randolph Industries
Ripley Co., Inc.
Westinghouse Elec. Corp.
Westinghouse Elec. Supply Co.
Wrathall & Krusi

Street Lighting Equipment
Benjamin Elec. Mfg. Div.
The Electric Corp.
Garrison & Co.
General Elec. Co.
General Electric Supply Co.
Graybar Elec. Co., Inc.
Holophane Co., Inc.
Hubbard & Co.
Incandescent Supply Co.
Line Material Industries, Div. McGraw-Edison Co.
Maddox Sales Co.
Metcalf & Co., Inc., James I.
Pacific Utilities Supply Co.
Pfaff & Kendall
Phillips & Edwards Elec. Corp.
Pomeroy Co., J. G.
Weld-Rite Co.
Westinghouse Elec. Corp.
Westinghouse Elec. Supply Co.
Wrathall & Krusi

Stringing Equipment
Holub Industries, Inc.
Hubbard & Co.
Joslyn Mfg. & Supply
Klein & Son, Mathias
Line Material Industries
Matzinger-Johnson Co.
Maydwell & Hartzell, Inc.
Pacific Light Metals Foundry
Petersen Engineering Co.
Safety Live Line Tool Co.
Sherman & Reilly, Inc.
Watteredge Co.
Western Power Products, Inc.

Structural Steel Products
American Steel & Wire Div.
Benz Co., Fred
Bethlehem Steel Co.
Columbia-Geneva Steel Div.
Gate City Steel
Honn Co., Geo. E.
Industrial Eng. & Equip. Corp.
U.S. Steel Corp.
Watteredge Co.
Weld-Rite Co.

Substations, Outdoor and Indoor
Allis-Chalmers Mfg. Co.
Arthur & Allen
Columbia Electric Mfg. Co., Inc.
Delta Star Elec. Div., H. K. Porter Co., Inc.
The Electric Corp.
Federal Pacific Elec. Co.
General Elec. Co.
Graybar Elec. Co., Inc.
Honn Co., Geo. E.
Ingalls & Sons, C. E.
I-T-E Circuit Breaker Co.
W. E. Kirk Co.
Line Material Industries, Div. McGraw-Edison Co.
Martin & Son, Ray L.
Moloney Elec.
National Electric Div., H. K. Porter Co., Inc.
Randolph Engineering Corp.
Royal Elec. Mfg. Co., Inc.
Ryals Co., Ken
S & C Electric Co.
Sorgel Elec. Co.
Southern States Equip. Corp.
Stubbs Electric Co.
Westinghouse Elec. Supply Co.
Westinghouse Elec. Corp.

Substations, Unit
Allis-Chalmers Mfg. Co.
Arthur & Allen
BullDog Elec. Co.
BullDog Elec. Co. of L. A.
Columbia Electric Mfg. Co., Inc.
Easterbrook, H. D.
The Electric Corp.
Esco Mfg. Co.
Federal Pac. Elec. Co.
General Elec. Co.
Graybar Elec. Co.
Honn Co., Geo. E.
I-T-E Circuit Breaker
Martin & Son, Ray L.
National Electric Div., H. K. Porter Co., Inc.
Pennsylvania Transformer Div.
Randolph Industries
Royal Elec. Mfg. Co., Inc.
Sierra Switchboard Co.
Sorgel Electric Co.
Southern States Equipment Corp.
Square D Co.
Stubbs Electric Corp.
Wagner Elec. Corp.
Westinghouse Elec. Corp.
Westinghouse Elec. Supply Co.

Supports, Bus-Bar
Anderson Electric Corp.
Arthur & Allen
Burndy Eng'g Co.
Chance Co., A. B.
Delta Star Elec. Div., H. K. Porter Co., Inc.
Dossert Mfg. Corp.
The Electric Corp.
Feedrail Corp.
General Elec. Co.
Graybar Elec. Co.
Hodges & Glomb
Honn, Geo. E.
ITEECO
Industrial Eng. & Equip. Corp.
Ingalls & Sons, C. E.
Insulator Dept., GE Co.
James R. Kearney Corp.
W. E. Kirk Co.
Lapp Insulator Co.
Line Material Industries, Div. McGraw-Edison Co.
Matzinger-Johnson Co.
Maydwell & Hartzell, Inc.
Nicholas Co., Fred
O. Z. Elec'l Mfg. Co.
Pacific Utilities Supply Co.
Penn-Union Elec. Corp.
Royal Elec. Mfg. Co., Inc.
Ryals Co., K. M.
Square D Co.
Victor Insulators, Div. I-T-E
Westinghouse Elec. Corp.
Westinghouse Elec. Supply Co.
Wrathall & Krusi

Supports, Cable, Spacers & Accessories
Adalet Mfg. Co.
Allen-Stevens Conduit Fittings Corp.
Allied Industries
Allis-Chalmers Mfg. Co.
Anderson Elec. Corp.
Arthur & Allen
Blackhawk Industries
Buchanan Elec'l. Prod. Corp.
Chalfant Products Co., Inc.
Cope, T. J., Div. Rome Cable Corp
Condon Co., Earl S.
Delta Star Elec., Div. H. K. Porter Co., Inc.
Dossert Mfg. Corp.
Erico Products, Inc.
Fullman Mfg. Co.
Garrison & Associates
Greene, R. H.
Graybar Elec. Co., Inc.
Honn Co., George E.
Hughey & Phillips, Inc.
Husky Products, Inc.
Incandescent Supply Co.
Industrial Tubular Equip. Co.
Johns-Manville
Joslyn Mfg. & Supply Co.
Kaiser Alum. & Chem. Corp.
Line Material Ind. Div., McGraw Edison Co.
Lint, Clyde W.
M & W Elec. Mfg. Co., Inc.
Matzinger-Johnson Co.
Midwest Elec. Mfg. Co.
O. Z. Elec. Mfg. Co.
OLM Products, Inc.
Olin Conductors Metals Div.
P-W Industries, Inc.
Phillips & Edwards Elec. Corp.
Preformed Line Products
R & I E Corp.
Ralco Mfg. Co.
Rodale Mfg. Co.
Rusgreen Mfg. Co.
Russell & Stoll Co.
Spring City Elec'l. Mfg. Co.
Steel City Elec. Co.
Thiel Tool & Eng. Co.
Thomas & Betts Co., Inc.
Victor Specialties, Inc.
Westinghouse Elec. Corp.
Wrathall & Krusi

Supports, Conduit
Arthur & Allen
Bacon's Elec'l Equip.
Benz Co., Fred D.
Crouse-Hinds Co.
Dossert Mfg. Corp.
Efficiency Electric & Mfg. Co.
Eichorn & Melchior
Elggren, John E.
Gedney Electric Co.
Graybar Elec. Co.
Hayjax Co.
Hill, George W.
Hodges & Glomb
Honn Co., Geo. E.
Incandescent Supply Co.
Industrial Tubular Equip. Co.
Line Material Industries, Div. McGraw-Edison Co.
Matzinger-Johnson Co.
Phillips & Edwards Elec. Corp.
Jim Shirreffs Co.

Stanley Sales Corp.
Steel City Elec. Co.
Victor Specialties, Inc.
Westinghouse Electric Corp.
Westinghouse Elec. Supply Co.

Supports, Crane Rail

Arthur & Allen
Delta Star Elec. Co., Div.
H. K. Porter Co., Inc.
Eichorn & Melchior
Feedrail Corp.
Gate City Steel
Ingalls & Sons, C. E.
W. E. Kirk Co.

Surface Raceway and Fittings

BullDog Electric Products Co.
Federal Pacific Elec. Co.
Feedrail Corp.
General Elec. Co.
Graybar Elec. Co.
Incandescent Supply Co.
Nat'l Elec. Div.,
H. K. Porter Co., Inc.
Phillips & Edwards Elec. Corp.
Safety Switchboard Co.
Sierra Elec. Corp.
Steel City Elec. Corp.
Square D Co.
Westinghouse Electric Corp.
Westinghouse Elec. Supply Co.

Switchboards

Adam Electric Co., Frank
Allen-Bradley Co.
Allied Industries, Inc.
Allis-Chalmers Mfg. Co.
Ambrosini, A. T.
Artwell Electric, Inc.
Bergman,Marshall Co., Inc.
Belilove Co.
BullDog Elec. Products Co.
BullDog Elec Co. of L. A.
Carlson Sales, Inc.
Columbia Electric Mfg. Co., Inc.
Cook, E. B.
Earl S. Condon Co.
Darger Co.
Dawson Co., Jim
The Electric Corp.
Electrical Material Co.
Electrical Sales
Federal Pacific Elec. Co.
General Elec. Co.
General Electric Supply Co.
Gough Industries, Inc.
Graybar Elec. Co.
Guthrie Assoc., Fred G.
Hendley Co.
Hodges & Glomb
Holzmueller Corp.
Honn Co., Geo. E.
Hyatt, John
Incandescent Supply Co.
I-T-E Circuit Breaker Co.
Herbert Kaub & Co.
Kearns Co., James L.
W. E. Kirk Co.
Lyman, Oliver B.
Marsh Agencies, Inc.
Martin & Son, Ray L.
Meyers Safety Switch Co., Inc.
Muth-Richards
Mundstock, James
Mueller, Mark G.
National Electric Div.,
H. K. Porter Co., Inc.
Nott & Co., L. A.
Phillips & Edwards Elec. Corp.
Randolph Industries
Safety Switchboard Co.
Sierra Switchboard Co.
Smith Co., Lombard
Square D Co.
Stevens Sales
Stone, Carlos
Stubbs Electric Co.
Western Switchboard Co.
Westinghouse Elec. Corp.
Westinghouse Elec. Supply Co.
Robt. A. Young & Co.

Switches, Appliance

The Electric Corp.
Electric Switches, Inc.
General Elec. Co.
Howard & Assoc., G. M.
Incandescent Supply Co.
Phillips & Edwards Elec. Corp.
Rising, Inc., H. G.
Silverman, Roy
Sierra Elec. Corp.
State Elec. Mfg. Co.
Wesco Electrical Distributors

Switches, Circuit Breaker Type

Federal Pacific Elec. Co.
General Elec. Co.
Graybar Elec. Co., Inc.
Incandescent Supply Co.
I-T-E Circuit Breaker Co.
National Electric Div.,
H. K. Porter Co., Inc.

MEYERS
Enclosed Safety Switches
Switchboard—Panelboards
Electrical Sheetmetal Products
Meyers Safety Switch Co., Inc.
423 Tehama St., San Francisco 3
Telephone GA 1-2426

Phillips & Edwards Elec. Corp.
S & C Elec. Co.
Southern States Equip. Corp.
Square D Co.
Westinghouse Elec. Corp.
Westinghouse Elec. Supply Co.

Switches, Clock Controlled

Burcham Co., Don H.
Edwards Co., Inc.
General Electric Co.
Graybar Elec. Co.
Howard & Assoc., G. M.
Incandescent Supply Co.
Line Material Industries, Div.
McGraw-Edison Co.
L. A. Nott
Phillips & Edwards Elec. Corp.
Pomeroy Co., J. G.
Reliance Time Controls, Inc.
Ripley Co., Inc.
Silverman, Roy
Sierra Elec. Corp.
Sangamo Electric Co.
The States Co.
Wadsworth Elec. & Mfg. Co.
Wesco Electrical Distributors
Westinghouse Elec. Corp.
Westinghouse Elec. Supply Co.

SIERRA SWITCHBOARD CO.
Unit Substations
Switchboards - Panelboards
Electrical
Sheet Metal Products
110 Constitution Drive, Menlo Park, Calif. Phone: EMerson 8-3841

Switches, Disconnect

Agencies Co.
Allied Industries
Arthur & Allen
Arthur & Krause
Artwel Electric, Inc.
Bach Associates
Best, Ken H.
Brill Electric Sales
Bruce-Emmett Co.
Carlson Sales, Inc.
A. B. Chance Co.
Cole Electric Co.
Earl S. Condon Co.
Control Switches, Inc.
Crouse-Hinds Co.
Davidson Associates, Joe
Delta Star Elec. Div.
H. K. Porter Co., Inc.
Eagle Electric Mfg. Co., Inc.
Eicher & Co.
The Electric Corp.
Electric Motor Supply
Electrical Sales
Electrical Specialty Co.
Esco Mfg. Co.
Federal Pacific Electric
G & W Elec. Specialty Co.
General Elec. Co.
General Electric Supply Co.
General Switch Corp.
Gough Industries, Inc.
Graybar Elec. Co.
Hauch Co., Ernst F.
Hodges & Glomb
Honn Co., Geo. E.
Horning Sales, Bill
Incandescent Supply Co.
Industrial Eng. & Equip. Corp.
Ingalls & Associates
I-T-E Circuit Breaker Co.
Joslyn Mfg. & Supply Co.
Joslyn Pacific Co.
Kaufman, Jack
KPF Electric Co.
Kearney Corp., James R.
Keeler White
Killark Elec. Mfg. Co.
W. E. Kirk Co.
Line Material Industries, Div.
McGraw-Edison Co.
Lyman, Oliver B.
Matzinger-Johnson Co.
E. D. Maupin Assoc., Inc.
Maydwell & Hartzell, Inc.
Montgomery Bros., Inc.
Murray Mfg. Corp.
McDougall Co., J. C.
National Electric Div.,
H. K. Porter Co., Inc.
Northwest Sales Co.
Pennsylvania Transformer Co.
Phillips & Edwards Elec. Corp.
Polich, Inc., Andrew L.
Pope, Forrest E.
Powerdyne, Inc.
Pruzan Co., Jack
Randolph Industries
Rising, Inc., H. G.
Royal Elec. Mfg. Co. Inc.
Ryals Co., K. M.
S & C Elec. Corp.
Safety Switchboard Co.
Schwager-Wood
Smedley & Associates, A. B.
Smith Sales, Inc.
Southern States Equip. Co.
Square D Co.
Stevens Sales
Stridal Corp.
Stubbs Electric Co.
Turner Electric Corp.
Wadsworth Elec. & Mfg. Co.
Wells Co., Wayne Co.
Western Power Products, Inc.
Western Switchboard Co.
Westinghouse Elec. Corp.
Westinghouse Elec. Supply Co.
Wrathall & Krusi
Young Co., Robt. A.

Switches, Fixture

Bell Electric Co.
Circle F Mfg. Co.
Eagle Elec. Mfg. Co., Inc.
Eichorn & Melchior
General Elec. Co.
General Electric Supply Co.
Graybar Elec. Co.
Hubbell, Inc., Harvey
Incandescent Supply Co.
Killark Elec. Mfg. Co.
Matzinger-Johnson Co.
McGill Mfg. Co.
Phillips & Edwards Elec. Corp.
Pomeroy Co., J. G.
Silverman, Roy
Rising, Inc., H. G.
Sierra Elec. Corp.
Theiler Corp., H. J.
Wesco Electrical Distributors
Westinghouse Elec. Corp.
Westinghouse Elec. Supply Co.

Switches, Float

Allen-Bradley Co.
The Electric Corp.
General Elec. Co.
Graybar Elec. Co., Inc.
Incandescent Supply Co.
Phillips & Edwards Elec. Corp.
Rising, Inc., H. G.
Sperti-Faraday
Westinghouse Elec. Corp.
Westinghouse Elec. Supply Co.

Switches, Flush, Toggle, or Tumbler

Bell Electric Co.
Allen-Bradley Co.
Allied Industries
Bran Co., Frank H.
Circle F Mfg. Co.
Eagle Elec. Mfg. Co., Inc.
The Electric Corp.
General Elec. Co.
General Electric Supply Co.
Graybar Elec. Co., Inc.
Hubbell, Inc., Harvey
Incandescent Supply Co.
Matzinger-Johnson Co.
Montgomery Bros.
Phillips & Edwards Elec. Corp.
Rising, Inc.
Silverman, Roy
Sierra Elec. Corp.
Wesco Electrical Distributors
Westinghouse Elec. Corp.
Westinghouse Elec. Supply Co.

Switches, Fuse

Agencies Co.
Allied Industries Inc.
Arthur & Allen
Artwel Electric, Inc.
Brill Electric Sales
Bruce-Emmett Co.
BullDog Electric Mfg. Co.
BullDog Elec. Co.
A. B. Chance Co.
Control Switches, Inc.
Crouse-Hinds Co.
Davidson Associates, Joe
Delta-Star Elec. Div.
H. K. Porter Co., Inc.
Eagle Electric Mfg. Co., Inc.
The Electric Corp.
Electric Motor Supply
Electrical Sales
Electrical Specialty Co.
Federal Pacific Elec. Co.
General Electric Co.
General Elec. Supply Co.
General Switch Corp.
Gough Industries, Inc.
Graybar Electric Co.
Hauch Co., Ernst F.
Hodges & Glomb
Honn Co., Geo. E.
Incandescent Supply Co.
Industrial Eng. & Equip. Corp.
Ingalls & Associates
Joslyn Mfg. & Supply Co.
Joslyn Pacific Co.
Kearney Corp., James R.
Keeler White
W. E. Kirk Co.
Line Material Industries, Div.
McGraw-Edison Co.
Lyman Co., Oliver B.
National Electric Div.,
H. K. Porter Co., Inc.
Matzinger-Johnson
Maydwell & Hartzell, Inc.
Northwest Sales Co.
Ormond, John
Payne & Sloan, Inc.
Phillips & Edwards Elec. Corp.
Pruzan, Jack
Randolph Industries
Rising, Inc., H. G.
S & C Electric Co.
Safety Switchboard Co., Inc.
Smith Sales, Inc.
Square D Co.
Southern States Equip. Corp.
Stevens Sales
Stubbs Electric Co.
Tal Agencies, Inc.
Western Switchboard Co.
Westinghouse Electric Corp.
Westinghouse Elec. Supply Co.
Young Co., Robt. A.

Switches, Heater

General Electric Co.
General Elec. Supply Co.
Graybar Electric Co.
Incandescent Supply Co.
Phillips & Edwards Elec. Corp.
Rising, Inc., H. G.
Square D Co.
Sierra Elec. Corp.
Westinghouse Electric Corp.
Westinghouse Elec. Supply Co.

Switches, Interrupter

Artwel Electric, Inc.
Federal Pacific Elec. Co.
Jennings Radio Mfg. Corp.
K. P. F. Electric Co.
Line Material Industries
Peterson Co.
Randolph Industries
Riter Engineering Co.
S & C Electric Co.
Schwager-Wood Co.
Silver Co., C. W.
Slaybaugh-Thompson Co.
Smedley & Associates, A. B.
Wrathall & Krusi, Inc.

Switches, High Voltage

Arthur & Allen
Artwel Electric, Inc.
Associates Engineers
Belilove Co.
Best, Ken H.
Carlson Sales, Inc.
A. B. Chance Co.
Condon Co., Earl S.
Control Switches, Inc.
E. B. Cook Co.
Delta Star Elec. Div.
H. K. Porter Co., Inc.
The Electric Corp.
Electric Switch Co.
Esco Mfg. Co.
Federal Pacific Elec.
G. & W. Elec. Specialty Co.
General Electric Co.
General Elec. Supply Co.
Gorman F. W
Gough Industries, Inc.
Graybar Electric Co.
Hendrey Co., W. R.
Honn Co., George E.
Horning Sales, Bill
Incandescent Supply Co.
Industrial Eng. & Equip. Corp.
Ingalls & Sons, C. E.
Jennings Radio Mfg. Corp.
Joslyn Mfg. & Supply Co.
Joslyn Pacific Co.
KPF Electric Co.
James R. Kearney Corp.
W. E. Kirk Co.
Lehl, H. G.

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Salt Lake City 15, Utah
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Line Material Industries, Div. McGraw-Edison Co.
Matzinger-Johnson Co.
E. D. Maupin Assoc., Inc.
Maydwell & Hartzell, Inc.
Muth-Richards Co.
Nott, L. A.
Ormond, John H.
Peninsular Assoc.
Phillips & Edwards Elec. Corp.
Powerdyne, Inc.
Randolph Industries
R I & E Equip. Div.
Rising, Inc., H. G.
Royal Elec. Mfg. Co., Inc.
Ryals Co., Ken
S & C Elec. Co.
Schwager-Wood
Smedley & Associates, A. B.
Smith Sales, Inc.
Southern States Equip. Corp.
Square D Co.
Stridal Corp.
Stubbs Electric Co.
Turner Electric Corp.
Western Power Products, Inc.
Westinghouse Electric Corp.
Westinghouse Elec. Supply Co.
Wrathall & Krusi, Inc.
Young Co., Robt. A.

Switches, Magnetic

Allen-Bradley Co.
Allis-Chalmers Mfg. Co.
The Frank H. Bran Co.
Easterbrook, H. D.
The Electric Corp.
Federal Pacific Elec. Co.
Furnas Elec. Co.
General Electric Co.
Gorman, Walter W.
Graybar Electric Co.
Hamlin, Inc.
Incandescent Supply Co.
McKnight Co.
National Electric Div., H. K. Porter Co., Inc.
Phillips & Edwards Elec. Corp.
Rising, Inc., H. G.
T. R. Routh Co.
Square D Co.
Westinghouse Electric Corp.
Westinghouse Elec. Supply Co.

Switches, Mercury

Belilove Co.
Belchamber & French
Black, Ralph
Bruce-Emmett Co.
Bryant Electric Co.
Cabot & Assoc.
Eagle Elec. Mfg. Co., Inc.
Electric Switch Corp.
General Electric Co.
General Electric Supply
Gorman, Walter W.
H-B Instrument
Hamlin, Inc.
Hogenson, Oscar
Hubbell, Inc., Harvey
Leviton Mfg. Co.
McKnight Co.
Meussdorffer & Assoc., R.
Nash Co., A. W.
Pass & Seymour, Inc.
Pomeroy Co., J. G.
Rodale Mfg. Co.
Shaffer & Nelson, Inc.
Sierra Electric Corp.
Slater Elec. & Mfg. Co.

Switches, Meter Test

Federal Pacific Elec. Co.
General Electric Co.
General Electric Supply Co.
General Switch Corp.
Graybar Electric Co.
Meter Devices Co.
L. A. Nott
Square D Co.
Wadsworth Elec. Mfg. Co.
Westinghouse Electric Corp.
Westinghouse Elec. Supply Co.

Switches—Pressure & Temperature

Allen-Bradley Co.
Artwel Electric, Inc.
Easterbrook, H. D.
The Electric Corp.
Furnas Elec. Co.
General Electric Co.
General Electric Supply Co.
Graybar Elec. Co.
Incandescent Supply Co.
Jennings Radio Mfg. Corp.
Montgomery Bros., Inc.
Phillips & Edwards Elec. Corp.
Silverman, Roy
Square D Co.
Wesco Electrical Distributors
Westinghouse Electric Corp.
Westinghouse Elec. Supply Co.

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Switches, Remote Control

Artwell Electric, Inc.
Arthur & Allen
Delta Star Elec. Div. H. K. Porter Co., Inc.
The Electric Corp.
Electric Switch Corp.
Federal Pacific Electric
General Electric Co.
Graybar Elec. Co.
Hodges & Glomb
Incandescent Supply Co.
Keeler, White Co.
W. E. Kirk Co.
Line Material Industries, Div. McGraw-Edison Co.
Nott Co., L. A.
Phillips & Edwards Elec. Corp.
S & C Elec. Co.
Silverman, Roy
Sierra Elec. Corp.
Square D Co.
Wesco Electrical Distributors
Westinghouse Electric Corp.
Westinghouse Elec. Supply Co.

Switches, Rotary

Allen-Bradley Co.
Arthur & Allen
Circle F Mfg. Co.
Control Switches, Inc.
Cook, E. B.
Electric Switch Co.
Federal Pacific Elec.
General Elec. Co.
Hubbell Co. Inc., Harvey
Incandescent Supply Co.
W. E. Kirk Co.
Montgomery Bros., Inc.
Phillips & Edwards Elec. Corp.
Ripley Co., Inc.
Royal Electric Corp.
Silverman, Roy
Sierra Elec. Corp.
Wadsworth Elec. Mfg. Co. Inc.
Wesco Electrical Distributors
Westinghouse Elec. Corp.
Westinghouse Elec. Supply Co.

Switches, Safety

Adam Elec. Co., Frank
Allied Industries
Arthur & Allen
The Frank H. Bran Co.
BullDog Elec. Products Div.
BullDog Elec. Co. of L. A.
Crouse-Hinds Co.
Delta Star Elec. Div. H. K. Porter Co., Inc.
The Electric Corp.
Federal Pacific Electric
General Elec. Co.
General Electric Supply Co.
General Switch Corp.
Graybar Elec. Co.
Hodges & Glomb
Incandescent Supply Co.
Keeler, White Co.
W. E. Kirk Co.
Meyers Safety Switch Co., Inc.
Montgomery Bros., Inc.
Murray Mfg. Co.
Payne & Sloan, Inc.
Phillips & Edwards Elec. Corp.
The T. R. Routh Co.
Safety Switchboard Co.
Square D Co.
Wadsworth Elec. Mfg. Co.
Western Switchboard Co.
Westinghouse Elec. Corp.
Westinghouse Elec. Supply Co.

Switches, Snap

Automatic Switch Co.
Edwards, Lloyd
Hyde Electronics
Maxson Corp., W. L.
Polich, Inc., A. L.
Stolaroff Co., Inc., M. A.
Tompkins & Co., Win W.
Unimax Switch Div.

Switches, Thermostat Controlled

Acro Div. Robertshaw-Fulton
Aemco, Inc.
Allen-Bradley Co.
Easterbrook, H. D.
Fisher Switches
General Elec. Co.
Graybar Elec. Co.
Incandescent Supply Co.
Montgomery Bros., Inc.
Phillips & Edwards Elec. Corp.
Rising, Inc., H. G.
Silverman, Roy
Square D Co.
Wesco Electrical Distributors
Westinghouse Elec. Corp.
Westinghouse Elec. Supply Co.

Switches, Time

Acro Div. Robertshaw-Fulton
Aemco
Allen-Bradley Co.
Alleman, Fred F.
Allied Industries
Ambrosini, A. T.
Anderson Co., Kenneth
Arthur & Allen
Benz Co., Fred
Betts & Betts
Burcham Co., Don H.
Campbell & George
Clapp, R. B.
Cook Co., Inc., E. B.
Dalton, C. R.
deLeuze Co., Guy
Edwards Co., Inc.
Easterbrook, H. D.
The Electric Corp.
Elastic Stop Nut Corp. of America
Electric Switch Corp.
Elliott, C. P.
Fisher Switches
Furnas Elec. Co.
General Elec. Co.
General Electric Supply Co.
Goebel, W. J.
Gough Industries, Inc.
Graybar Elec. Co.
Holmes Co., Carl E.
Howe & Howe Sales
Incandescent Supply Co.
Industrial Eng. & Equip. Corp.
Jensen Instr. Co.
Keeler, White Co.
Krotozyner, James
Line Material Industries, Div. McGraw-Edison Co.
McDougall Co., J. C.
Meter Devices Co.
Montgomery Bros., Inc.
Mundstock, James
Nash, A. W.
Nott & Co., L. A.
Paragon Elec. Co.
Parsons, C. B.
Penning, J. R.
Phillips & Edwards Elec. Corp.
J. G. Pomeroy Co.
Reliance Time Controls, Inc.
Rhodes Inc., M. H.
Rising, Inc., H. G.
Sangamo Elec. Co.
Scharr, Freeman C.
Shefler, H. G.
Sierra Elec. Corp.
Slater Elec. Mfg. Co., Inc.
Stevens Sales
Stridal Corp.
Stubbs Electric Co.
Tal Agencies, Inc.
Tork Time Controls
Wells Co., Wayne C.
Wesco Electrical Distributors
Western Electro Mechanical
Westinghouse Elec. Corp.
Westinghouse Elec. Supply Co.
Wood Co., Thomas S.

Switches, Toggle, Snap, Push-Button

Acro Div. Robertshaw-Fulton
Allied Industries, Inc.
Betts & Betts
Bran Co., Frank H.
Cook, E. B.
Edwards Company, Inc.
The Electric Corp.
General Electric Co.
General Electric Supply Co.
Gray Co., George A.
Graybar Elec. Co., Inc.
Hubbell, Inc., Harvey
Incandescent Supply Co.
Industrial Eng. & Equip. Co.
Matzinger-Johnson
Pass & Seymour, Inc.
Phillips & Edwards Elec. Corp.
Pomeroy Co., J. G.
Porcelain Products, Inc.
Rising, Inc., H. G.
Sierra Electric Corp.
Slater Elec. Mfg. Co., Inc.
Square D Company
Theiler Corp., H. J.
Westinghouse Elec. Corp.
Westinghouse Electric Supply Co.

Switchgear

Arthur & Allen
Artwell Electric, Inc.
Allis-Chalmers Mfg. Co.
Belilove Co.
Bergman-Marshall Co., Inc.
Best Linemen's Supply Corp.
Brill Electric Sales
Brown-Boveri Corp.
Bulldog Elec. Co.
Carlson Sales, Inc.
A. B. Chance Co.
Cole Electric Co.
Columbia Electric Mfg. Co.
Earl S. Condon Co.
Corrin Co., John G.
Cook Co., Inc., E. B.
Cunningham & Son, R. E.
Darger Co.
Delta Star Elec. Div. H. K. Porter Co., Inc.
Eicher & Co.
The Electric Corp.
Electrical Sales
Esco Mfg. Co.
Everley Co., Paul S.
Federal Pacific Electric Co.
G & W Electric Specialty Co.
General Electric Co.
General Electric Supply Co.
Gorman, F. W.
Gough Industries, Inc.
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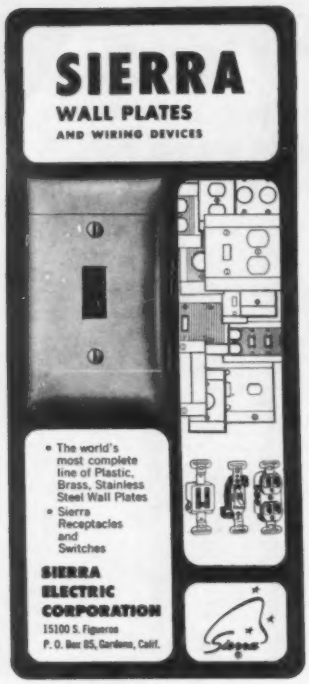

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Colorado: Boyer & Seeley, Inc., 1196 Stout St., Denver 4.
Oregon: Henry George Lehl, 14280 S.W. Upland Drive, Oswego.

SORGEL ELECTRIC CO., 833 W. National Avenue, Milwaukee 4, Wis.

(See listing, Sales Offices, p. 67)

SIERRA
WIRING DEVICES
AND WALL PLATES

- Sierraplex Receptacles
- Sierra Receptacles
- QuieT & Mercury Switches
- Brass, Plastic, Stainless Steel Wall Plates

SIERRA ELECTRIC CORPORATION
15100 S. Figueroa, P. O. Box 85, Gardena, Calif.

Water Wheels
Allis-Chalmers Mfg. Co.
Baldwin-Lima-Hamilton Corp., Pelton Water Wheel Div.
Newport News Shipbuilding & Drydock Co.

Weed Killer
Geigy Agricultural Chemical
Graybar Elec. Co., Inc.
Kamphausen, Dan
Shell Oil Co.
Standard Oil of Calif.

Welding Controls & Totalizers
General Electric Co.
Rising, Inc., H. G.
The T. R. Routh Co.
Square D Co.

Welding Equip. & Accessories, Etc.
Acme Electric Welder Co.
Allis-Chalmers Mfg. Co.
Brenton Equipment Co.
Burcham Co., Don H.
Carlson Sales, Inc.
Cook Co., E. B.
Delta-Star Electric Div., H. K. Porter Co., Inc.
Erico Products, Inc.
Fibre Metal Pacific, Inc.
General Electric Co.
General Electric Supply Co.
Industrial Eng. & Equip. Corp.
Maddox & Co., John
Pacific Utilities Supply Co.
The T. R. Routh Co.
Rising, Inc., H. G.
Ryals Co., K. M.
Tivy Co., George S.
Westinghouse Electric Corp.
Westinghouse Elec. Supply Co

Winches
FWD Co.
Graybar Elec. Co., Inc.
Holan Corp., J. H.
McCabe Powers Body Co.
Petersen Engineering Co.
Tel-E-Lect Products, Inc.
Truco
Utility Body Co.

Wire
Accurate Ins. Wire Corp.
Adams Co., George
Agencies Co.
Allied Industries
Aluminum Co. of America
American Electric Cable
American Steel & Wire Div.
Anaconda Wire & Cable Co.
Anderson, Kenneth
Associated Elec'l. Agents
Bach Electric, Pete
Backer Co., James J.
Baxter Co.
Benz Co., Fred D.
Bergman-Marshall Co., Inc.
Bran Co., Frank H.
Brill Electric Sales
Bruce-Emmett Co.
Burcham Co., Don H.
Cahn, Bernard
Calhoun & Poxon
California-Geneva Steel Div.
Calrepco
Carol Cable Div., Crescent Co.
Cereske Co., William
Circle Wire & Cable
Clifton Conduit Div. General Cable
Collins-Gillette Co.
Columbia Cable & Elec. Co.
Columbia-Geneva Steel Div.
Collyer Insulated Wire Co.
Earl S. Condon Co.
Copperweld Steel Co.
Cornish Wire Co., Inc.
Curry Co., The
deLeuze Co., Guy
Dawson Co., Jim
Dougherty Enterprises
Driver-Harris Co.
Egbert & Assoc.
Electric Agencies
The Electric Corp.
Electric Motor Supply
Electrical Specialty Co.
Electrorep, Inc.
Elggren Co., John E.
Ericsson Corp.
Essex Wire Corp.
Ettco Wire & Cable Corp.
Garnett Young Co.
General Cable Corp.
General Electric Co.
General Electric Supply Co.
Gough Industries, Inc.
Gray Co., George A.
Graybar Electric Co.
Hamilton Associates

ELECTRIC CABLE AND WIRE
From Stock—Cut to Length
Power Cable
Control Cable
Asbestos Cable
Underground Cable
High Voltage Cable
Write for Stock List
William Cereske Company
1401 Middle Harbor Road
Oakland 20, California
TEmplebar 2-3546

Hatfield Wire & Cable Div.
Heckendorn, Philip H.
Howard & Goepp Co.
Imholt, W. B.
Incandescent Supply Co.
Indiana Steel & Wire Co.
Ingalls & Associates
Jacobs, Paul D.
Kaiser Aluminum & Chem. Corp.
Keeler, White Co.
Kerite Co., The
Keystone Mfg. Co.
Kolans & Co., Bill
Leviton Mfg. Co.
Line Material Industries, Div. McGraw-Edison Co.
Long & Associates
Lynn & Brooks
Manufacturing Equip. Co.
E. D. Maupin Assoc., Inc.
Maydwell & Hartzell, Inc.
McLoughlin Co., Inc.
Montgomery Bros., Inc.
Motorman Supply Co.
Murphy-Hain Co.
National Elec. Div., H. K. Porter Co., Inc.
National Electric Supply Co.
Newman, Rudat & Ewing
Nicholas, F. M.
Okonite Company, The
Olin Conductors
Pacific Electric Sales Co.
Pacific States Elec. Cable Corp.
Pacific Utilities Supply Co.
Paranite Wire & Cable Co.
Payne & Sloan, Inc.
Phelps-Dodge Copper Prod. Corp.
Phillips & Edwards Elec. Corp.
Pruzan Co., Jack
J. G. Pomeroy Co.
Randolph Industries
Reynolds Metals Co.
Riggs Inc., C. E.
Rome Cable Div. Alcoa
Royal Electric Corp.
Royal Electric Mfg. Co., Inc.
Rutkin Electrical Sales
Ryals Co., K. M.
Sales Engineers, Inc.
Simplex Wire & Cable Co.
Southern Electrical Co.
Stone, Carlos
Stroum Co., Inc., S. N.
Stubbs Electric Co.
Superior Cable Corp.
Triangle Conduit & Cable Co., Inc.
Tri-State Supply Corp.
United States Steel Corp.
Weingart & Lustig
Western Insulated Wire Co.
Westinghouse Electric Corp.
Westinghouse Elec. Supply Co.
Young & Co., Robt. A.

Wire, Bare Resistance
Baxter Co.
Carol Cable Div., Crescent Co.
Cereske Co., Wm.
Collyer Ins. Wire Co.
Copperweld Steel Co.
Curry Co.
Driver-Harris Co.
Electrical Specialty Co.
Kaiser Aluminum & Chemical Corp.
Rome Cable Div. Alcoa
Simplex Wire & Cable
Westinghouse Electric Corp.
Westinghouse Elec. Supply Co.

Wire Grips
Graybar Electric Co.
Incandescent Supply Co.
Mathias Klein & Sons
Maydwell & Hartzell, Inc.
Pacific Utilities Supply Co.
Phillips & Edwards Elec. Corp.
Preformed Line Products
Ryals Co., K. M.
Stubbs Electric Co.
Westinghouse Electric Corp.
Westinghouse Elec. Supply Co.

Wiring Devices & Supplies
Allied Industries, Inc.
Anderson, Kenneth
Arter Co., Lee
Arthur & Allen
Bach Associates
Bach Electric Co.
Baxter Co.
Bell Electric Co.
Benjamin Elec. Mfg. Co.
Benz Co., Fred D.
Bergman-Marshall Co., Inc.
Jasper Blackburn Corp.
The Frank H. Bran Co.
Brill Electric Sales
Bruce-Emmett Co.
Buchanan Elec. Prod. Co.
BullDog Elec. Prod. Co.
Carlson Sales, Inc.
Carpenter Co., Allen B.
Circle F Mfg. Co.
Collins-Gillette Co.
Columbia Products, Inc.
Collyer Insulated Wire Co.
Earl S. Condon Co.
Coombs Sales Co., O. W.
Cook Co., E. B.
Copperweld Steel Co.
Cornish Wire Co., Inc.
Crouse-Hinds Co.
Curry Co.
deLeuze Co., Guy
Dougherty Enterprises
Eagle Elec. Mfg. Co., Inc.
Eichorn & Melchior
The Electric Corp.
Electrical Specialty Co., Inc.
English, Nelson
Essex Wire Corp.
Garrison & Co.
General Electric Co.
General Electric Supply Co.
General Cable Corp.
Gough Industries, Inc.
Geo. A. Gray Co.
Graybar Electric Co.
Honn Co., Geo. E.
Howard & Goepp Co.
Hubbard & Co.
Hubbell, Inc., Harvey
Incandescent Supply Co.
Indiana Steel & Wire Co.
Ingalls & Associates
Johns-Manville
Kaiser Alum. & Chem. Corp.
Kay, J. H.
Keeler White
Kerite Co., The
Keystone Mfg. Co.
Kortick Mfg. Co.
Levin, M.
Leviton Mfg. Co.
Line Material Industries, Div. McGraw-Edison Co.
Lynn & Brooks
Maddox & Co., John
Maddox Sales Co.
Matzinger-Johnson Co.
Maydwell & Hartzell
Mundstock, James
Murphy-Hain Co.
National Electric Div., H. K. Porter Co., Inc.
National Tel. Supply Co.
Nicholas Co., F. M.
Noel Co. Inc., Ray J.
Olympic Instruments Corp.
Pacific Electrical Sales
Pacific Utilities Supply
Paranite Wire & Cable Co.
Pass & Seymour
Payne & Soan, Inc.
Paul, Vic.
Perfect-Line Mfg. Corp.
Phelps-Dodge Copper Prod. Corp.
Phillips & Edwards Elec. Corp.
Penn-Union Elec. Corp.
J. G. Pomeroy Co.
Pruzan Co., Jack
R & M Sales
Randolph Industries
Reyco Sales
Reynolds Co., J. W.
Royal Elec. Corp.
Royal Elec. Mfg. Co., Inc.
Ryals, K. M.
Sales Engineers, Inc.
Shirreffs Co., Jim
Sierra Elec. Corp.
Slater Elec. Mfg. Co.
Square D Co.
Staible & Sons, Fred E.
Stanley Sales Corp.
Sta-Tite Mfg. Co.
Strohecker, Inc.
Stubbs Electric Co.
Superior Cable Corp.
Tri-State Supply Corp.
Wadsworth Elec. & Mfg. Co.
Weingart & Lustig
Westinghouse Electric Corp.
Westinghouse Elec. Supply Co.
Will, E. A.

Wire Installation Guns
Archibold & Millie
Vernon B. Cobb
Jet Line Products, Inc.
Lippincott Co.

Wire, Plastic
Clifton Conduit Div. Gen. Cable
Maddox Sales
Plastic Wire and Cable Corp.

Wire Pullers (See Tapes, Fish, etc.)

Wire Pulling Lubricants
Bruce-Emmett Co.
Electro Compound Co.
Electrical Fittings Corp.
Harvey Aluminum
Ideal Industries, Inc.
Imholt Co.
Payne & Sloan
Reed & Co., L. S.

Wire Stringing Equipment
Jet Line Gun Co.
Joslyn Mfg. & Supply Co.
Joslyn Pacific Div.
Kellogg Switchboard & Supply
Klein & Sons, Mathias
Line Material Industries Div.
Maydwell & Hartzell, Inc.
Morrison-Pelsue Co.
Safety Live Line Tool Co.
Petersen Eng. Co. Inc.
Watteredge Co.

Wire, Strippers
Garrison & Co.
Graybar Elec. Co., Inc.
Ideal Industries, Inc.
Incandescent Supply Co.
Miller Mfg. Co.
Mathias Klein & Sons Co.
Maddox Co., John H.
Phillips & Edwards Elec. Corp.
Tomic Sales & Engineering

USE THE ELECTRICAL WEST's BUYERS' GUIDE AND MANUFACTURERS' DIRECTORY

DIRECTORY of REPRESENTATIVES

A listing of states and cities of manufacturers' Western representatives handling electrical lines.

CALIFORNIA

Los Angeles Area

AGENCIES COMPANY, 836 Traction Ave.
AIREY CO., INC., F. J., 2324 E. Hunter
ALLIED INDUSTRIES, 412 Seaton St.
ANDERSON COMPANY, KENNETH, 123 S. Myers St.
ANGUS-CAMPBELL, INC., 4417 S. Soto Street.
ARTER COMPANY, LEE, 5221 El Mirador Dr.
ASSOCIATED CARBON PRODUCTS, INC., 207 West Pico Blvd.
AUTHORIZED SUPPLY CORP., 1437 So. Los Angeles St.
BOOTH COMPANY, ARTHUR E., 265 S. Alexandria Ave.
BRAN CO., FRANK H., 607 E. 6th St.
BRENNER-FIEDLER & ASSOCIATES, 7563 Melrose Ave.
BULLDOG ELECTRIC PROD. OF L.A., 3020 Supply Ave. **(See Adv. page 42)**
C & S EQUIPMENT CO., 2419 S. Grand Ave.
CALIFORNIA WHOLESALE ELEC. CO., 2548 Yates Ave.
CALHOUN & POXON, 5429 Alhambra Ave.
CALREPCO, 1417 Georgia St. (See Adv. page 80)
CLAPP COMPANY, R. B., 5404 Alhambra Ave.
COHN & SHANE, 1323 Venice Blvd.
CONDON, EARL S., 3450 Wilshire Blvd.
CONTROL ENGINEERING, 2122 S. Atlantic Blvd.
COOMBS SALES COMPANY, O. W., 1026 So. Olive.
CORMAN, WALTER W., 7432 W. 80th St.
CORRIN, JOHN G., 415 S. June St.
CUNNINGHAM & SON, R. E., 530 W. 6th St.
DAVIDSON & ASSOCIATES, JOE, 2803 Los Flores Blvd., Lynwood
EASTERBROOK, H. D., 1264 S. Boyle Ave.
ECKERT-LLOYD CORP., 1950 Naomi Ave.
ELECTRIC CORP., THE, 200 S. Mission
ELECTRIC MACHINERY MFG. CO., 2200 E. 27th
ELECTRICAL MFGR.'S REP., INC., 151 N. Vermont Ave.
ELEC'L SPECIALTY CO., 6025 So. Garfield Ave.
EMMET CO., FRANK A., 2937 West Pico Blvd.
ENGINEERED PROCESS EQUIP. CO., 744 E. Green St., Pasadena
ENGINEERING SALES CO., 406 S. Main St.
FELDMAN CO., HENRY, 1244 S. Grand
FIBRE-METAL PACIFIC, INC., 7332 S. Garfield Ave., Bell Gardens
FINCKE CO., JOHN M., 1848 N. Main St.
FORD CO., INC., T. A., 402 Agostino Road, San Gabriel
FRIEDLAND, HARRY, 200 San Miguel, Pasadena
FULLER CO., WM. H., 1038 N. Palm Ave. Whittier
GENERAL ELECTRIC SUPPLY CO., 700 Turner St. (See Adv. page 93)
GLENMART CO., INC., 2850 Tanager Ave.
GOEBEL, W. J., 225 West 23rd
GOUGH INDUSTRIES, INC., 827 East First
GRAYBAR ELEC. CO., INC., 210 Anderson
HALDEMAN, INC., HARRY F., 2401 So. Hill St.
HAYJAX CO., 436 Colyton St.
HECKENDORN, PHILIP H., 803 Houseman St.
HEIM & SCHEER, 11168 Santa Monica Blvd.
HERMAN-ASHBY CO., 1799 Alta Crest Dr.
HILL CO., J. T., 420 S. Pine St., San Gabriel
HOCKENSMITH, F. L., 412 Seaton St.
HOLMES, CARL E., 107 No. Ave. 64
HOWZE CO., W. D., 5603 N. Figueroa
HUGHES CO., INC., R. S., 4514 Alger St.
HUNDLEY CO., 3282 Fletcher Dr.
HYATT CO., JOHN, 6059½ E. Olympic Blvd.
IMHOF & ASSOCIATES, E. J., 3102 Silverwood Dr., Los Alamitos
INDUSTRIAL ENGINEERING & EQUIP., 2975 Wilshire Blvd.
JACKSON EDWARDS CO., 4101 Lankershim, North Hollywood
JENSEN INSTR. CO., 1919 Beverly Blvd.
JEWETT CO., 13111 Ventura Blvd., North Hollywood
JOHNSON CO., A. F., 104308 Burbank, North Hollywood
JOSLYN PACIFIC COMPANY, 5100 District Blvd.
KAY AGENCY, J. H., 713 E. Third St.
KING, W. C., 2064 E. 27th St.
KIRK CO., W. E., 415 Wall St.
KNIGHT COMPANY, W. BERT, 10377 West Pico Blvd.
KOBERT & CO., 331 Winston St.
LaMOREE, C. D., 2433 Birkdale (See Adv. page 91)
LEDBETTER CO., GEORGE W., 16618 Ventura Blvd., Encino
LINEMEN'S SUPPLY CO. OF CALIF., 2704 S. Hill St. (See Adv. page 84)
LIPPINCOTT CO., 1052 West Sixth St.
LYNN & BROOKS, 3055 Wilshire Blvd. (See Adv. page 27)
MADDOX SALES CO., 914 E. 3rd St.
MANUFACTURING EQUIPMENT CO., 1413 E. 20th St.
MARKMAN CO., R. MARK, 4260 Lankershim, North Hollywood
MARSH COMPANY, J. W., 4216 W. Jefferson.
MARSHALL CO., G. S., 2065 Huntington Dr., San Marino
MATZINGER-JOHNSON CO., 1329 Willow St.
MAYDWELL & HARTZELL, INC., 6400 Corvette St. (See Adv. page 22)
McGUIRE, WILLIAM A., 164 S. Central Ave. (See Adv. page 96)
McLOUGHLIN CO., 811 E. 14th Pl.
MELLO, C. E., 406 So. Main
METCALF & CO., INC., JAMES I., 530 W. 6th St.
MEUSDORFER, & ASSOC., R., 3487 Cahuenga Blvd. No. 1.
MONTGOMERY BROTHERS, INC., 4800 District Blvd.
MURPHY-HAIN CO., 333 South Mission Rd.
NASH, A. W., 2112 So. Atlantic Blvd.
NIEMANN, D., 432 Colyton St.
NOEL CO., INC., RAY J., 4315 S. Western Ave.
PACIFIC INDUSTRIES, 8255 Beverly Blvd.
PACIFIC SOUTHWEST SALES CO., 750 S. Kohler St.
PARRISH & JUSTICE CO., 2720 So. San Pedro
PAULES, E. G., 1762 W. Vernon Ave.
PAYNE & SLOAN, INC., 1101 East 5th St.
PETERSON CO., C. A., 5757 Huntington Dr. N.
POMEROY COMPANY, J. G., 1004 E. Fourth St. **(See Adv. page 94)**
POPE CO., JAMES C., 2720 S. San Pedro
PORTER COMPANY, DON, 1117 So. Robertson.
PRESTON MACHINERY CO., 6703 Santa Fe, Huntington Park
PUELICHER, RICHARD T., 901 Laguna Rd., Pasadena 8
RANDOLPH INDUSTRIES, 12202 E. Garvey Ave., El Monte (See Adv. page 28)
THE RIDGEWAY CO., 1345 Daveric St., Pasadena 8 (See Adv. page 100)
RISING, INC., H. G., 151 N. Vermont
ROBERTS & ASSOCIATES, E. V., 5068 W. Washington Blvd.
ROZEMA, FRANK, 412 Seaton St.
RUBIN CO., WALTER, 6452 Penfield Ave., Woodland Hills
RUDY CO., JOHN B., 14914 Burbank Blvd., Van Nuys
RUSH ASSOCIATES, C. B., 3757 Wilshire Blvd.
RUTKIN ELECTRICAL SALES, 744 Kohler St.
SANSON CO., EUGENE T., 4050 E. Olympic Blvd.
SAUL & ASSOC., HOWARD M., 5015 San Vicente Blvd.
SCHALLER CO., J. J., 845 Traction Ave.
SCHOW, ROBT. M., 926 S. Atlantic Blvd.
SHEETER & CO., 2508 W. Sixth St.
SHERMAN-MITCHELL & CO., P. O. Box 49797.
SHIRREFFS CO., JIM, 3601 So. Broadway Place
SHOEMAKER & ASSOCIATES, H. M., 1576 Gower St., Hollywood 28
SHULL & SON, J. E., 3350 Wilshire Blvd.
SILVERMAN, ROY, 1316 N. Laurel Ave.
SMEDLEY & ASSOCIATES, A. B., 848 Marchata St., Altadena (See Adv. page 92)
SMITH, LOMBARD, CO., 714 W. Olympic Blvd.
SOUTHWESTERN AGENCIES, 923 E. Third St.
STEVENS & CO., DILLON, 1348 Venice Blvd.
STEVENS CO., INC., THOMAS L., 7648 San Fernando Rd.
STOLAROFF, M. A., 4622 W. Slauson Ave.
STRASSNER CO., CONRAD R., 1557 N. Western Ave.
SUCHMAN ASSOCIATES, 837 E. Fourth Pl.
TAUFENBACH CO., LES, 4860 Valley Blvd.
TIVY CO., GEORGE S., 2230 W. 11th St.
TRENBETH ENGINEERING CO., W. J., 8847 DeHaviland
TRI-STATE SUPPLY CORP., 544 S. San Pedro (See Adv. page 21)
WALLACE & WALLACE, 1206 Maple Ave.
WARBURG CO., INC., ED., 1207 E. 8th St.
WEINGART & LUSTIG, 1567 East 25th St.
WESREP CORP., 2022 S. Sepulveda Blvd.
WESTERN ELECTROMOTIVE, INC., 5544 W. Pico Blvd.
WESTINGHOUSE ELEC. SUPPLY CO., 905 E. 2nd St.
WESTRON SALES & ENG., 7407 Melrose Ave.
WILCOX, GEORGE P., 4802 Loma Vista
WOOD CO., ASH M., Box 1158, Arcadia
WOOLSEY, C. L., 1320 Opechee Way, Glendale
YOUNG & CO., ROBERT A., 3901 San Fernando Road, Glendale (See Adv. page 79)

Oakland

CALIFORNIA ELEC. COMPANY, 3015 Adeline.
CERESKE, WILLIAM S., 1401 Middle Harbor Road (See Adv. pages 81, 84, 87)
CHEMNITZ CO., ERIC F., 1096 Yerba Buena Ave., Emeryville
CROCKER, P. R., 2171 Hillview Dr., Walnut Creek
DIABLO CO., 4115 Kensington Drive, Concord
DORAN, HERBERT J., 674 23rd St.
GRAYBAR ELECTRIC CO., INC., 1911 Union St.
HILL & DEITRICK, 417 E. 10th St.

INGALLS ASSOCIATES, 424 40th St. (See Adv. page 29)
JOHNSON ENGINEERING CO., 534 20th St.
LAGERSTROM CO., R. E., 2739 Tenth Ave.
MABI CO., 600 16th
MOULTHROP CO., F. W., 1530 E. 12th
ORMOND CO., JOHN H., 600 16th St.
SAFETY SWITCHBOARD CO., 910 89th Ave. (See Adv. page 65)
SILVA, L. M., 3124 E. 14th St.
WESTERN ELECTRO-MECHANICAL, 300 Broadway

Sacramento

GRAYBAR ELEC. CO., 1900 14th St.
MONTGOMERY BROS., INC., 1331 T St.
PERDUE CO., A. L., 4305 Ravenwood Ave. (See Adv. page 94)

San Diego

GRAYBAR ELEC CO., 720 State St.
MURPHY, JACK, 1670 Fourth Ave.
HENBERGER CO., JOHN C., 4032 Wabaska Dr. (See Adv. page 65)
MAYDWELL & HARTZELL, INC., 206 W. Island Ave. (See Adv. page 22)
PETERSON CO., EDWARD L., 709 Bank of America Bldg.
RIDGEWAY CO., Box 1989. (See Adv. page 100)
SETCHELL, JAMES A., 301 W. G St.
WARE & ASSOCIATES, JOHN ALLEN, 301 West G St.

San Francisco & Peninsula

AIRSUPPLY CO., Town & Country Village, Palo Alto
AMBROSINI CO., A. T., 420 Market St.
ANGUS-CAMPBELL, INC., 760 Tennessee St.
ARTHUR & ALLEN, 420 Market St. (See Adv. page 96)
ARTWEL ELECTRIC, INC., 1485 Bayshore Blvd. (See Adv. page 20)
ASHTON CO., WM. J., 50 Hawthorne St.
AULT ASSOCIATES, 120 Santa Margarita, Menlo Park
BABCOCK, STEPHEN, 3573 Pierce St.
BAUM, R. E., 681 Market St.
BAXTER COMPANY, 101 Kansas St.
BELCHAMBER & FRENCH, 1485 Bayshore Blvd.
BELILOVE CO., 420 Market St.
BENZ CO., FRED D., 520 4th St. (See Adv. page 58)
BERGER, FRED W., JR., 57 Post St.
BERGMAN-MARSHALL CO., INC., 1370 Van Dyke St.
BERMAN CO., E. L., P. O. Box 834, Belmont
BLAKELY CO., CHAS. A., 754 Natoma St.
BOSWELL, C. W., 1139 Mission
BRENTON EQUIPMENT CO., 374 Brannan St.
BRILL ELEC. SALES, 123 Kansas St. (See Adv. page 65)
BROOKS EQUIPMENT CO., 636 Potrero St.
BRUNDAGE LIGHTING ASSOCIATES, 821 Howard St.
CADY CO., J. F., 1485 Bayshore Blvd.
CAHN CO., BERNARD L., 420 Market St.
CALIFORNIA ULTRAVIOLET CO., 420 Market St. (See Adv. page 92)
CAMPBELL & GEORGE CO., 1601 Cortland Ave.
CERRUTI & ASSOCIATES, 116 Cypress St., Redwood City
CHURCH CO., L. F., 750 Natoma St.
COHN & SHANE, INC., 685 Folsom St.
COOK COMPANY, E. B., 1063 Howard St. (See Adv. page 81)
CURRY CO., 190 Lombard St.
DE LEUZE COMPANY, GUY, 1923 Bryant St.
DUGGAN CO., EDWARD, 3025 24th Ave.
DUNCAN, W. L., 72 Townsend
EGBERT & ASSOCIATES, 506 Russ Bldg.
EICHORN & MELCHOIR, INC., 932 Terminal Way, San Carlos
ELECTRICAL SPECIALTY CO., 158-168 11th St.
ELECTROREP, INC., 672 Townsend (See Adv. page 70)
EMPIRE SUPPLY CO., 1135 Mission St.
EVERLY, PAUL S., 550 Ninth St.
FISHER SWITCHES INC., 3199 Park Blvd., Palo Alto
FLORENTINE & CO., P. O. Box 144, Santa Clara
FRANK, MILTON S., 420 Market St.
GARLAND-AFFOLTER ENG. CORP., 58 Sutter St.
GARNETT YOUNG & CO., 390 Fourth St.
GARRISON & CO., Builder's Exchange, 850 S. Van Ness Ave. (See Adv. page 10)
GENERAL ELEC. SUPPLY CO., 1201 Bryant St. (See Adv. page 93)
GINGELL CO., A. A., 66 Ritch St.
GLESENER CO., A. J., 975 Bryant St.
GRATIOT CO., C. B., 1282 Folsom St.
GRAY, GEO. A., 2720 17th St. (See Adv. page 75)
GRAYBAR ELECTRIC CO., INC., 1750 Alameda
GUTHRIE ASSOCIATES, FRED G., 420 Market St.
HARRISS CO., L. H., 204 E. Hillsdale Blvd., San Mateo
HAUCH CO., ERNST F., 735 Tehama St.
HEAT & CONTROLS, 1615 Cortland Ave.
HILL CO., J. T., 1682 Laurel Ave., San Carlos
HOBELMANN & CO., INC., 225 Kansas St.
HODGES & GLOMB, 921 Bryant St. (See Adv. page 81)
HOLZMUELLER CORP., 360 Sixth St.
HONN COMPANY, GEORGE E., 560 Third St. (See Adv. page 38)
HOOEY, H. J., MILTON VERY, & GENE PICKRELL, 1250 Phelps St. (See Adv. page 89)
HOWARD & GOEPP, 1301 6th (See Adv. page 86)
HUGHSON & MERTON, 1270 Bush St.
HUMBER & WALKER CO., 314 Twelfth St.
IMHOLT CO., W. B., 275 Brannan St.
INCANDESCENT SUPPLY CO., 647 Mission St.
INGALLS, DONALD E., 1485 Bayshore Blvd.
JACOBS, PAUL D., 420 Market St. (See Adv, page 97)
JENSEN INSTRUMENT CO., 429 Bryant St.
JOHNSTON CO., M. D., 678 Howard St.
KAUFMAN, JACK, 126 25th Ave., San Mateo
KEELER, WHITE CO., 615 7th St.
KJAER EQUIP. CO., 1261 Howard St.
KOLANS & CO., BILL, 219 California Dr., Burlingame
KROTOZYNER, JAMES M., 544 Market St.
LaMOREE, C. D., 2221 Fourth St., Berkeley. (See Adv. page 91)
LAPKIN, NORTON, 1877 28th Ave.
LAVENSON & SAVASTA, 586 6th St.
LIGHTING PARTS, INC., 109 New Montgomery
LINEMEN'S SUPPLY CORP., 70 Townsend St. (See Adv. page 84)
LIPPINCOTT CO., 1355 Market St.
LITTRELL HARDWARE LINES, INC., 1325 Egbert St.
LOGAN SALES CO., 150 8th St.
LONG & ASSOC., 505 Middlefield Rd., Redwood City
LUNDY, RALPH B., 1063 Howard St.
LYMAN, OLIVER B., 55 New Montgomery St.
LYNN & BROOKS, 1485 Bayshore Blvd.
MADDOX CO., JOHN, 420 Market St.
MARSH CO., J. W., 1258 Fitzgerald Ave.
MARSHALL CO., G. S., 801 Woodside Rd., Redwood City
MARSHALL, HARRY E., 104 Olive
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MAYDWELL & HARTZELL, INC., 870 Tennessee (See Adv. page 22)
McCARTHY SALES & ASSOC., 1485 Bayshore Blvd.
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NEWMAN, RUDAT & EWING, 915 Terminal Way, San Carlos
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PACIFIC STATES & ELEC. CABLE CORP., 6 Guittard Rd., Burlingame
PACIFIC UTILITIES SUPPLY CO., 141 King St. (See Adv. page 70)
PARKER CO., A. R., 420 Market St.
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PHILLIPS REFRIGERATION PRODUCTS, 444 Potrero Ave.
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PROFFITT, GORDON H., World Trade Center
PURDY, W. J., 312 7th St.
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ROSS, HAROLD, 420 Market St.
ROUTH CO., T. D., Box 1056, Burlingame
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Los Angeles .....HUntley 2-7650
Seattle .....MAin 2-1496
Portland .....CApitol 8-9684
Phoenix .....ALpine 2-8391
Vancouver, B. C. .....MUtual 4-8391
Denver: Babcock & Wilcox .....CHerry 4-4631

Bailey Meter Co.
Branch Offices:
San Francisco .....SUtter 1-0926
Monterey Park, Calif. .....CU 3-1187
Denver .....EAst 2-7745
Seattle .....MA 4-7192
Portland .....BElmont 2-3440
Salt Lake City .....CR 7-5251

Baldwin-Lima-Hamilton
San Francisco .....MIssion 7-6781
Los Angeles .....MAdison 6-5631

Bartlett Manufacturing Co. 10
Hughson & Merton in following cities:
Los Angeles .....NO 3-3853
San Francisco .....OR 3-8243
Seattle .....AT 3-6633
Salt Lake City .....EM 3-5456

Bechtel Corp.
San Francisco .....DOuglas 2-4032
Los Angeles .....MAdison 6-6721

Bell Electric Co.
Downey, Calif.: J. H. Kay .....TOpaz 2-6818
San Francisco: Garrison & Co...ATwater 2-8220
Denver: A. J. Nelson Co.
Portland: Pacific Elec. Sales....BElmont 5-4137
Phoenix: Fissell Kossnar Sales..... WH 6-3513

Benz Co., Fred D. 58
San Francisco .....YU 2-4312

Best Linemen's Supply Corp. 79
Seattle .....MAin 3-6554

Bethea Co. Inc.
Maydwell & Hartzell, Inc., in
following cities:
San Francisco .....VA 6-6900
Los Angeles .....OV 5-6310
San Diego .....BE 3-6661
Phoenix .....BR 5-7644
Tucson .....MA 2-3331
Medford .....SP 2-9195
Portland .....CA 6-1441
Seattle .....EA 3-1270
Spokane .....MA 4-3285
Butte 2-1219

Biddle Trade Publishing Co. 12
Los Angeles .....DU 5-4211
Berkeley .....LA 4-2831
San Diego .....BE 3-7621
Seattle .....AT 2-4749

Blackburn Corp., Jasper 86, 90
San Francisco: Donald E. Ingalls JUniper 6-0332
Los Angeles: Robert M. Schow HUbbard 3-7931
Vancouver, Wn.: Wm. A. Horning OXford 4-4475
Phoenix: W. C. Osborn.....WIndsor 3-1815
Denver: Sales Engineers Co.....AComa 2-4893
Salt Lake City:
James D. Stephens Co.....EMpire 3-7402
Albuquerque: Ralph B. Black...AMherst 5-0144

Brill Electric Sales 65
San Francisco .....MA 6-0456

Brooks Products, Inc. 14
El Monte, Calif. .....GI 4-3103
Oakland .....LO 8-0863
Portland .....BE 4-4820

Brown Boveri Corp.
Portland .....CApitol 3-7234
San Francisco: Bellove Co. .....YUkon 2-3713
Pasadena:
A. B. Smedley & Assoc.....SYcamore 8-3919
Denver: Slaybaugh-Thompson Co..AComa 2-5826
Tucson: Central Station Equip. Co...MAin 3-2493

Buchanan Electrical Products Corp. 87
Los Angeles: Frank Rozema ...MAdison 9-3855
Denver: Fred A. Pease Co.....DUdley 8-4643
Portland: Keeler-White .....CApitol 7-0593
Seattle: Tal Agencies, Inc. .....MAin 3-2367
Vancouver, B.C., Walter McHugh..CHerry 3034

Bullard Co., E. D. 13
Sausalito (San Francisco).....EXbrook 7-0788
or ED 2-0410
Los Angeles.....PLeasant 3-1171

BullDog Electric 42
Los Angeles .....OV 5-8200
Denver: Young Elec. & Mfg. Co.....AC 2-4841
Portland: Coast Electric .....AT 8-5373
Oakland: Safety Switchboard .....LO 9-7001

BullDog Electric Products Div.,
I-T-E Circuit Breaker Co.
Denver: Young Elec. Mfg. Co. ...AComa 2-4841
Salt Lake City:
Stevens Sales Co. .....INgersol 7-5489
Los Angeles:
BullDog Elec. Prod. of L. A.....OV 5-8200
Portland:
Coast Electric & Mfg. Co. ....ATlantic 8-5373
Seattle: Coast Electric & Mfg. Co...MAin 3-4750
Oakland:
Safety Switchboard Co.....LOckhaven 9-7001
Sacramento:
Safety Switchboard Co. .....GIlbert 1-0273

Burndy Corp.
Shaffer & Nelson, Inc. following cities:
Portland .....BElmont 4-7437
Seattle .....MUtual 2-0186
Spokane .....FAirfax 7-9528
San Francisco: George E. Hann Co.
.....SUtter 1-7352
Los Angeles: Earl S. Condon Co.
.....DUnkirk 1-3951
Denver: Peterson Co. .....DExter 3-5434

Burnworth Tester Co. 14
El Cerrito, Calif. .....LA 5-7599

Bussmann Mfg. Division 15
San Francisco .....UNderhill 3-2600
Los Angeles .....MAdison 5-1954
Seattle .....EMerson 2-2085
Denver .....FReemont 7-1357

California Ultraviolet Co. 92
San Francisco .....EX 2-7679

Calrepco 80
Los Angeles .....RI 9-8485

Ceilheat, Inc. 17
San Francisco: Ernst F. Hauch.....MA 1-0832
Los Angeles: Page E. Golson.....MU 2-1824
Denver: Ben T. Clark .....MA 3-2011
Phoenix: Roy E. Wendling.....AL 8-8636
Portland: Pacific Electric Sales .....BE 5-4137

Central Transformer Corp.
San Francisco: F. M. Nicholas Co..YUkon 2-1964
Glendale, Calif.: Robert A. Young
& Co. .....CHapman 5-3721
Albuquerque: McGillan Sales Co..Phone: 5-3239
Salt Lake City: Gates Co. .....ELgin 9-1101
Denver: Hubert Kaub & Co. .....MAin 3-4606
Shaffer & Nelson, Inc., in following cities:
Portland .....BElmont 4-7437
Seattle .....MUtual 2-0186
Spokane .....FAirfax 7-9528

Cereske Co., Wm. 81, 84, 87
Oakland .....TE 2-3546

Chance Co., A. B.
Burlingame, Calif. .....OXford 7-1545
Seattle .....MAin 3-6886
Portland .....CApitol 8-3866
Los Angeles .....LUdlow 2-6453
Bountiful, Utah .....AXtel 5-7144
Anchorage, Alaska: J. P. Bagoy ....BR 4-1884
Honolulu: Hugh Bargion ....HOnolulu 6-8846

Circle Wire & Cable Co.
Sub. of Cerro de Pasco Corp.
San Francisco: Brill Electric Sales..SUtter 1-7547
Los Angeles: Elkins Electric Agency
.....ANgelus 8-3385
Seattle: Electric Agencies.....MAin 3-2360

Condon Co., Earl S.
Los Angeles.....DUnkirk 1-3951

Conduit Nipple Mfg. Co.
San Francisco: George Gray ....HEmlock 1-1526
Los Angeles: Hayjax Co. .....MAdison 8-5256
Denver: Reitz Sales .....EAst 2-6200
Portland: Pacific Electric Sales..BElmont 5-4137

Conduit Pipe Products Co.
Los Angeles: J. J. Schaller ..... CA 3-1251
Denver: Slaybaugh-Thompson ..... AC 2-5826
San Francisco: Eckert-Lloyd ..... HE 1-5792
Seattle: Keeler White ..... MA 3-2367
Portland: Keeler White ..... CA 7-0593

Cook Co., E. B. **81**
San Francisco ..... UN 1-2621

Copperweld Steel Co. **37**
San Francisco ..... DOuglas 2-6979
Bellevue, Wash. ..... GLencourt 4-1233
Denver ..... FR 388-0571

Day-Brite Lighting, Inc.
San Francisco ..... YUkon 6-2443
Santa Clara ..... AXminster 6-6154
Los Angeles ..... DUnkirk 7-2307
Sacramento: L. J. Van Nostrand. Hickory 6-6234
Fresno: Alan Humphrey ..... BAldwin 2-0092
San Diego: E. L. Peterson Co. ... BElmont 3-8373
Portland: Otis A. Taylor ..... BUtler 9-8518
Seattle: D. A. Olson Co. ..... MElrose 3-4133
Denver: O. E. Fleischer ..... MAin 3-3221
Phoenix: Wm. Benndorf Co. .. CRestwood 7-1662
Albuquerque: James Hallek .... DIamond 4-3235
Salt Lake City: Stevens Sales ... INgersol 7-5489
Honolulu, Hawaii: M. A. Cabot. Honolulu 6-5231

Davey Tree Surgery Co.
San Francisco ..... SUtter 1-3377
Los Angeles ..... MAdison 3-1929

Delta-Star Elec. Div. (See H. K. Porter Co. Inc.)

Duncan Electric Co., Inc.
Covina, Calif: C. C. Blacksmith ..... EDgewood 2-2150
Reno: Kitchen Elec. Supply Co. . FAirview 2-4533
Albuquerque: A & A Supply ..... ALpine 6-0307
Phoenix: W. H. Eddy Elec. Prod. Inc. ..... ALpine 2-6322
Billings: Montana Elec. Supply ... Phone: 2-0528
Denver: Hamilton Associates ..... CHerry 4-1505
Shaffer & Nelson, Inc. in following cities:
Seattle ..... MUtual 2-0186
Portland ..... BElmont 4-7437
Spokane ..... FAirfax 7-9528
Salt Lake City ..... HUnter 4-3382

Eagle Electric Mfg. Co., Inc.
San Francisco: Brill Electric Sales MArket 6-0456
Los Angeles: Robt. B. Focht .... MAdison 6-7736
Portland: M. Levin ..... CApitol 2-9591

Electrical Fittings Corp. **83**
San Francisco: W. B. Imholt Co. ..... YU 2-6213
Los Angeles ..... MA 4-1151
Denver: L. S. Reed & Co. ..... AL 5-1777
Portland: Bruce-Emmett Co. ..... BE 2-8117
Seattle: Bruce-Emmett Co. ..... MU 2-6737
Salt Lake City: Bruce-Emmett Co. .. DA 2-3828
Spokane: Bruce-Emmett Co. ..... FA 7-5870

Electrical Tubular Products
Los Angeles: Weingart & Lustig . ADams 3-4111
Portland: Pacific Electric Sales . BElmont 5-4137

Electri-Flex Co. **85**
Los Angeles: Fincke Co. ..... CA 5-4226
San Francisco: Paul D. Jacobs ..... YU 2-7266
Denver: Fred E. Staible & Sons ..... TA 5-3991

Electro Compound Co.
Los Angeles: W. E. Starr Co. ..... AN 9-0371
Portland: Oregon Mfg. Agents . CApitol 6-3971
Denver: Strong & Humphrey ..... SH 4-1351
San Francisco:
Electrical Sales Co. ..... EXbrook 7-2087

Electrorep, Inc. **70**
San Francisco ..... MA 6-0225

Electromode Div. Commercial Controls **91**
Los Angeles ..... AN 1-1101
San Francisco ..... PR 6-1251
Seattle ..... LA 5-5151
Belmont, Calif. ..... LY 3-7903

Electro-Motive Div.,
General Motors Corp.
San Francisco ..... EXbrook 2-3546

Empire Metal Products Co. **56**
Denver: Hamilton Associates ..... CH 4-2901
Los Angeles: H. C. Mitchell, Jr. ..... UP 0-5394

Everstick Anchor Co. **26**
Joslyn Pacific Co. in following cities:
Los Angeles ..... LUdlow 7-4251
San Francisco ..... UNderhill 1-7313
Seattle ..... MAin 3-1957
Portland ..... CApitol 3-5127

Fanner Mfg. Co.
Sold through Line Material Industries in following cities:
San Francisco ..... PLaza 5-8600
Los Angeles ..... RAymond 3-6251
Phoenix: J. E. Redmond Supply . . ALpine 4-8471
Denver: Slaybaugh-Thompson .... AComa 2-5826
Portland: A. L. Polich, Inc. ..... CApitol 3-6241
Seattle: A. L. Polich, Inc. ..... ATwater 3-7100
Albuquerque: Smith Sales Co. ..... AXtel 9-8024

Fargo Mfg. Co., Inc. **25**
Sold thru Line Material Industries:
San Francisco: ..... PLaza 5-8600
Los Angeles: ..... RAymond 3-6251
and OXford 5-2260
Denver ..... FLorida 5-1689
Portland ..... CApitol 2-1981
Seattle ..... ATwater 3-6368
Spokane ..... KEystone 5-2461
Salt Lake City ..... ELgin 5-6257
Phoenix: J. E. Redmond Co. ..... ALpine 4-8471

Federal Pacific Elec. Co.
San Francisco (Burlingame) ..... OX 7-7040
Los Angeles ..... CL 7-8281
Seattle ..... AT 3-7801
Portland (Oswego) ..... NE 6-4573
Salt Lake City: James Stephens Co. .. EL 5-3540
Albuquerque: F. W. Gorman ..... CH 7-1596
El Paso: Elec. Eng. & Sales ..... KE 3-6130
F. E. Gorman ..... KE 2-3449
Los Angeles: W. C. King ..... LU 3-1781
Boise: Myron Swendsen 4-2066

Fisher-Pierce Div., Sigma Instruments, Inc. . **49**
Maydwell & Hartzell in following cities:
San Francisco ..... VA 6-6900
Los Angeles ..... OV 5-6310
San Diego ..... BE 3-6661
Phoenix ..... BR 5-7644

Fullman Mfg. Co.
San Francisco: L. F. Church .... UNderhill 1-2840
Los Angeles:
Payne & Sloan, Inc. ..... MAdison 4-7317
Denver: Kenneth B. Schumann Co. AComa 2-8913
Bellevue, Wn.: R. C. English ..... GL 4-0566
Portland: Nelson English ..... CApitol 3-9814

G & W Electric Specialty Co.
Oakland: C. E. Ingalls & Sons . OLympic 8-5622
Los Angeles:
R. E. Cunningham & Son ..... MAdison 8-1105
Seattle: W. R. Hendrey Co. .... MAdison 3-3968
Salt Lake City:
Riter Engineering Co. ..... EMpire 3-7933
Denver: H. C. Guire Co. ..... SPruce 7-2864
Albuquerque: Frank W. Gorman CHapel 7-1596

Garrison & Co. **10**
San Francisco ..... AT 2-8220

Gedney Electric Co.
San Francisco: E. B. Cook Co. ..... UN 1-2621
Los Angeles: Rutkin Electric Sales ..... MAdison 3-1224
Seattle: Assoc. Elec'l Agents ..... MU 2-5232
Portland: Georg Roth ..... PR 5-4747
El Paso: H & C Elec Sales
Salt Lake City: George Darger Co. . ELgin 5-2873

General Electric Co.
San Francisco ..... DOuglas 2-3740
Los Angeles ..... MAdison 5-7381
Phoenix ..... ALpine 8-7724
Denver ..... KEystone 4-7171
Boise 4-3021
Salt Lake City ..... EMpire 4-1891
Portland ..... ATwater 8-0281
Seattle ..... MAin 4-8300

General Electric Co. Insulator Div.
Burlingame, Calif. ..... DIamond 4-5757
Portland ..... BElmont 4-0233
Denver ..... GEnesee 3-5511

General Electric Co.,
Cleveland, Lamp Div.
Oakland ..... LOckhaven 9-3422
Los Angeles ..... RAymond 3-2541
Denver ..... AMhurst 6-0285
Seattle ..... MAin 2-8081
Portland ..... CApitol 3-2101

General Electric Supply Co. **93**
San Francisco ..... UN 3-4000
Los Angeles ..... MA 5-7141
Portland ..... CA 7-0651
Seattle ..... LA 5-6515
Denver ..... AM 6-0671
Salt Lake City ..... EM 3-3911
Sales Offices in Tacoma, Spokane, Pasco, Wash.; Medford, Ore.; Oakland, San Jose, Sacramento, Stockton, Fresno, N. Hollywood, Long Beach, San Bernardino, San Diego and El Centro, Calif.; Phoenix and Tucson, Ariz.; Billings, Butte, Great Falls, Mont.; Boise, Idaho Falls, Ida.; Casper, Wyo.; Ogden, Utah; Pueblo, Colo.; Albuquerque, Farmington, N.M.; Anchorage, Alaska

Gray Co., George A. **75**
San Francisco ..... HE 1-1526

Graybar Electric Co. Inc.
San Francisco ..... MArket 1-5131
Los Angeles ..... ANgelus 3-7282
Phoenix ..... ALpine 2-2371
Denver ..... TAbor 5-7111
Boise ..... BOise 3-2594
Butte ..... BUtte 3233
Portland ..... ATlantic 8-5661
Seattle ..... MUtual 2-0123
Salt Lake City ..... ELgin 9-8771
Spokane ..... FAirfax 7-6611
Tacoma ..... MArket 7-0164
San Diego ..... BElmont 3-1361
Tucson ..... MAin 2-6439
Sales offices in following cities: Bakersfield, Fresno, Long Beach, San Jose, Oakland, Oceanside, Sacramento, San Bernardino, Santa Ana, Santa Barbara, Van Nuys, Calif.; Colorado Springs, Colo., and Eugene, Ore.

Henberger Co. **65**
San Diego ..... BR 4-6283

Hodges & Glomb **81**
San Francisco ..... UN 1-2367

Holan Corp.
Albuquerque ..... DIamond 4-3444
Phoenix ..... APplegate 8-6256
Denver ..... CHerry 4-8671
San Jose, Calif. ..... DRexel 9-2273

Holophane Co., Inc. **35**
San Francisco ..... YUkon 2-9655
Bremerton, Wash. ..... TRiangle 6-4069
Montebello, Calif. ..... RAymond 3-5738
Littleton, Colo. ..... PYramid 4-4527

Honn Co., George E. **38**
San Francisco ..... SU 1-7352

Hooey, M. J. **89**
San Francisco ..... MI 8-3007

Hope Electrical Products Co. **53**
San Francisco: Electrorep, Inc. ..... MA 6-0225
Los Angeles: Schow & Petersen, Inc. AN 8-3381
Denver: L. D. Hood Sales ..... AC 2-8001
Bellevue, Wash.: R. C. English ..... SH 6-5839
Portland: Nelson English ..... CA 3-9814

Horning Sales, Bill **71**
Vancouver ..... OX 4-4475

Howard & Goepp Co. **86**
San Francisco ..... UN 1-2367

Hubbell, Inc., Harvey
San Francisco ..... MIssion 7-3240
Los Angeles ..... CApitol 3-1167
Denver: Paul A. Douden ..... KEystone 4-6798
Spokane: Elmer Johnson ..... MAin 2518
Seattle: Frank A. Strohecker ..... MAin 3-0357
Portland: David King ..... CApitol 8-1990

Ideal Industries, Inc.
San Francisco:
Maddox Sales Co. ..... DOuglas 2-3249
Los Angeles: Maddox Sales Co. ..... MA 4-2306
Phoenix: Maddox Sales Co. ..... CR 4-3807
Seattle:
Northwestern Agencies, Inc. . MAin . . 3-8882
Salt Lake City: L. M. Slusser ..... ELgin 6-2322
Denver: C. D. Belt & Co. ..... SKyline 6-9421

Indiana Steel & Wire Co., Inc. **41**
(Distributed by Graybar, all branches)
San Francisco ..... MArket 1-5131
Los Angeles ..... ANgelus 3-7282
Portland ..... ATlantic 8-5661
Seattle ..... MUtual 2-0123
Denver ..... TAbor 5-7111
Salt Lake City ..... ELgin 9-8771

Ingalls Associates **29**
Oakland ..... OL 8-5622

I-T-E Circuit Breaker
South San Francisco ..... PLaza 6-8660
Los Angeles ..... MAdison 2-7134
Denver ..... AMherst 6-1404
Phoenix ..... AMherst 4-2166
Portland ..... CApitol 6-4754
Seattle ..... MAin 3-0504
Salt Lake City: Riter Eng. Co. . INgersol 7-9449
Butte: McDonough, R. E. ..... BUtte 2-5447
El Paso: R. L. Brewer Co., Inc. KEystone 2-7651

International Rectifier Corp. **96**
El Segundo ..... OR 8-6281

ITEE CO Div. Idaho Maryland **36**
No. Hollywood ..... TR 7-9821
Denver ..... AM 6-3411

Jacobs, Paul D. **97**
San Francisco ..... YU 2-7266

Johns-Manville Dutch Brand Div.
San Francisco ..... DOuglas 2-4353
Los Angeles ..... DUnkirk 5-0595
Seattle ..... MElrose 3-4300
Denver ..... KEystone 4-6378
Salt Lake City ..... EMpire 4-8446
Portland ..... CApitol 3-8260

Johns-Manville Corp.
San Francisco ..... DOuglas 2-4353
Los Angeles ..... DUnkirk 5-0595
Seattle ..... MElrose 3-4300
Denver ..... KEystone 4-6378
Salt Lake City ..... EMpire 4-8446
Portland ..... CApitol 3-8260

Joslyn Mfg. and Supply Co.
Los Angeles ..... LUdlow 7-4251
San Francisco ..... UNderhill 1-7313
Seattle ..... MAin 3-1957
Portland ..... CApitol 3-5127
Phoenix ..... ALpine 2-1245
Salt Lake City ..... EM 3-2084

KPF Electric Co. 8-9
Stockton, Calif. ..... HOward 4-8381

Kearney Corp., James R.
Branch Offices:
Emeryville, Calif. ..... OLympic 5-4091
La Canada, Calif. ..... MUrray 1-1026 and SYlvan 0-2933
Portland, Ore. ..... CHerry 4-5381
Salt Lake City:
Salt Lake City: Conely Engineering Co. ..... EMpire 3-5013
Golden, Colo.: Robert C. Smith ..... CRestview 9-5279

Kerite Co.
Oakland: C. E. Ingalls & Sons ..... OLympic 8-5622
Glendale, Calif. ..... CHapman 5-3721
Seattle: Fred Carlson ..... ATwater 4-4360

Killark Electric Mfg. Co. 39
San Francisco: F. M. Nicholas ..... YUkon 2-1964
Los Angeles: Kenneth Anderson Co. ..... ANgelus 8-6771
Seattle: Northwestern Agencies, Inc. ..... MAin 3-8882
Denver: Kenneth B. Schumann Co. ..... AComa 2-8913
Phoenix: Kenneth Anderson Co. ..... AMherst 5-2863

Klein & Sons, Mathias
Glendale, Calif. ..... CItrus 3-3523
Redwood City, Calif. ..... EMerson 9-2274

Knopp Inc. 40
Oakland ..... OL 3-1661

Kortick Mfg. Co. 40
Maydwell & Hartzell Inc. in following cities:
San Francisco ..... VA 6-6900
Los Angeles ..... OV 5-6310
San Diego ..... BE 3-6661
Seattle ..... EAst 3-1270
Spokane ..... MAdison 4-3285
Portland ..... CApitol 6-1441
Medford ..... SPring 2-9195
Phoenix ..... BR 5-7644
Tucson ..... MAin 2-3331
Butte 2-1219

Kuhlman Electric Co. 6
Maydwell & Hartzell, Inc., in following cities:
San Francisco ..... VA 6-6900
Los Angeles ..... OV 5-6310
Seattle ..... EAst 3-1270
Portland ..... CApitol 6-1441
Phoenix ..... BRidge 5-7644
Spokane ..... MAdison 4-3285
San Diego ..... BE 3-6661
Denver: Sales Engineers ..... AComa 2-4893
Salt Lake City: Sales Engineers ..... HUnter 5-3547

LaMoree, C. D. 91
Los Angeles ..... CA 5-5666

Lapp Insulator Co., Inc.
San Francisco: Donald E. Ingalls ..... JUnesu 6-0332
Los Angeles: Earl S. Condon & Co. ..... DUnkirk 1-3951
Seattle: Charles F. James ..... MAdison 3-1531
Salt Lake City: Riter Engineering Co. ..... EMpire 3-7933
Butte: R. E. McDonough Co. 2-5447

Leviton Mfg. Co.
San Francisco ..... OX 7-1640
Los Angeles ..... MAdison 5-1546
Seattle: W. W. Wheat & Sons ..... MA 4-6222
Honolulu: Hugh L. Bargion ..... Honolulu 6-8846

Line Material Industries
San Francisco ..... PLaza 5-8600
Los Angeles ..... RAymond 3-6251
Portland ..... CApitol 2-1981
Seattle ..... ATwater 3-6368
Spokane ..... KEystone 5-2461
Salt Lake City ..... ELgin 5-6257
Phoenix: J. E. Redmond Supply ..... ALpine 4-8471
Boise ..... Phone: 2-5706
Butte ..... Phone: 8340
Denver ..... FL 5-1689 and 1680
Sacramento, Calif. ..... GI 2-6264
Anchorage (Spenard) Alaska ..... FA 2-2649

Linemen's Supply Corp. of Calif. 84
San Francisco ..... EX 7-1529

McGuire, W. A. 96
Los Angeles ..... MA 4-6828

McCormick & Baxter Creosoting Co. 43
San Francisco ..... YUkon 2-4033
Los Angeles ..... CHapman 5-4667
Portland ..... AVenue 6-3654

Maddox Sales Co. 27
Los Angeles ..... MA 4-2306
Phoenix ..... CR 4-3807
San Francisco ..... DO 2-3249

Markel Electric Products, Inc. 46
San Mateo, Calif. ..... Fireside 5-1496
Los Angeles: O. W. Coombs ..... RIchmond 7-0603
Portland: Pacific Elec. Sales ..... BElmont 5-4137
Phoenix: Wm. Benndorf ..... CR 7-1662

Mason Co., L. E.
San Francisco:
Howard & Goepp Co. ..... MArket 1-6759
Los Angeles:
John M. Fincke Co. ..... CApitol 5-4226
Portland: Pacific Elec. Sales Co. ..... BElmont 5-4137
Albuquerque: Ralph B. Black Co. Inc. 265-0144

Maydwell & Hartzell, Inc. 22
San Francisco ..... VA 6-6900
Los Angeles ..... OV 5-6310
Phoenix ..... BRidge 5-7644
Portland ..... CA 6-1441
Seattle ..... EAst 3-1270
Spokane ..... MAdison 4-3285
San Diego ..... BE 3-6661
Medford ..... SPring 2-9195
Tucson ..... MAin 2-3331
Butte ..... Butte 2-1219

Mears Controls, Inc. 47
Beaverton, Ore. ..... MU 4-0131

Metalfab, Inc. 48

Meyers Safety Switch Co. Inc. 99
San Francisco ..... GA 1-2426

Midwest Piping Div. of Crane Co.
Los Angeles ..... Angelus 8-6733

Micro Balancing, Inc.
Joslyn Pacific in following cities:
Los Angeles ..... LUdlow 7-4251
San Francisco ..... UNderhill 1-7313
Seattle ..... MAin 3-1957
Portland ..... CApitol 3-6127
Phoenix ..... ALpine 2-1245
Salt Lake City ..... EMpire 3-2084

Moloney Electric Co.
Garland Affolter in following cities:
San Francisco ..... EXbrook 7-1800
Los Angeles ..... MAdison 4-1864
Portland ..... CApitol 3-7349
Seattle ..... MUtual 2-4950
Denver: Hamilton Associates ..... CHerry 4-2901
Salt Lake: Riter Engineering ..... EMpire 3-7933

Mundstock, James 89
San Francisco ..... YU 1-0500

Myers Electric Products, Inc. 50
Los Angeles ..... RA 3-0031
San Francisco: Howard & Goepp Co. ..... MA 1-6759
Denver: A. J. Nelson ..... PE 3-5528
Seattle: Muth-Richards ..... EA 3-2128
Phoenix: Southwestern Sales 264-3103
Portland: Donal Co. ..... CH 6-3131

National Supply Div. Armco Steel Corp.
Armco Steel Corp.
San Francisco: Egbert & Assoc. ..... DOuglas 2-2975
Los Angeles: Murphy-Hain ..... ANgelus 8-3521
Denver: Fred E. Staible & Sons ..... TAbor 5-3991
Salt Lake City:
Fred E. Staible & Sons ..... INgersol 6-2461
Seattle: Northwestern Agency Inc. ..... MAin 3-8882
Honolulu:
Hugh L. Bargion Co. ..... Honolulu 6-8846

Nicholas Co., F. M. 71
San Francisco ..... YU 2-1964

Nott, L. A. 75
San Francisco ..... HE 1-4738

Nu-Art Lighting & Mfg. Co. 52
Los Angeles: J. E. Shull & Son ..... AN 1-1101
San Francisco: Stanley Sales ..... MI 8-8875
Denver: Ralph Meislahn ..... CR 9-4665
Seattle: Bruce-Emmett ..... MU 2-6737
Portland: Bruce-Emmett ..... BE 2-8117
Albuquerque: James Hallek 298-3114

Ohio Brass Co.
San Francisco ..... SUtter 1-5060
Los Angeles ..... MAdison 4-8555
Seattle ..... MAin 2-3842
Denver ..... SKyline 6-7722

Olin Conductors 11
Garland-Affolter Eng. Co. in following cities:
San Francisco ..... EXbrook 7-1800
Los Angeles ..... MAdison 4-1864
Portland ..... CApitol 3-7349
Seattle ..... MUtual 2-4950
Denver: Hamilton Associates ..... CHerry 4-1505
Phoenix: R. E. Coulson Co. ..... WIndsor 3-8935

Olympic Instruments 94
Vashon, Wash.

Orangeburg Mfg. Co., Inc. 51
General Electric Supply and Graybar Electric Co. all principal cities
Santa Ana ..... LIncoln 4-1195
Seattle ..... MUtual 2-4566
Newark, Calif. ..... SYcamore 3-2200

OZ Electrical Mfg. Co. 55
San Francisco ..... GArfield 1-7846
Los Angeles: Agencies Co. ..... MAdison 6-5443
Portland:
Wm. A. Proby Associates ..... CApitol 8-7261

PLM Products, Inc. 74

P-W Industries, Inc. 54
San Francisco:
Oliver B. Lyman Co. ..... SUtter 1-6438
Los Angeles: Calrepco ..... RIchmond 9-8485
Denver: LZP Electronics ..... SHerman 4-1311
Butte: Carlson Sales, Inc. ..... Butte 8916
Albuquerque: Technical Service Co. ..... CH 7-1508
Seattle: Carlson Sales Co. ..... ATwater 4-4630
Portland: Carlson Sales Co. ..... CApitol 8-3798
Salt Lake City:
Electrical Sales Co. ..... HUnter 5-0531

Pacific Utilities Supply Co. 70
San Francisco ..... YU 6-1625

Paragon Electric Co. 57
Los Angeles ..... AN 8-3895
San Francisco: McCune-Western, Inc. ..... UN 3-9252
Denver: Roy J. O'Donnell Co. ..... KE 4-0179
Seattle: John B. Merifield Co., Inc. ..... MA 3-7850

Pass & Seymour, Inc. 58
Arcadia, Calif. ..... ELgin 5-6513
San Francisco ..... DO 2-1313
Los Angeles: J. G. Pomeroy ..... MAdison 5-1105
Portland: Shaffer & Nelson ..... BElmont 4-7437
Seattle: Shaffer & Nelson ..... MUtual 2-0186
Lakewood, Colo.: R. T. Lewis & Co.
Salt Lake City: Shaffer & Nelson ..... ELgin 5-8304
Albuquerque: Ralph Black ..... AL 5-9625

Pennsylvania Transformer Div.
San Francisco: George E. Honn Co. ..... SUtter 1-7352
Los Angeles: John G. Corrin ..... MAdison 2-0830
Seattle: Fred W. Carlson ..... ATwater 4-4630
Phoenix: Roy E. Coulson ..... WIndsor 3-8935
Denver: Peterson Co. ..... DExter 3-5434
Salt Lake City: Clarence W. Silver ..... ELgin 5-5378
Portland; Fred W. Carlson & Associates ..... CApitol 8-3798
Boise, Ida.: Clarence W. Silver Co. 2-6947
Albuquerque:
Williamson Sales Co. ..... ALpine 6-6617

Penn-Union Electric Corp. 32
San Francisco: F. M. Nicholas Co. ..... YUkon 2-1964
Los Angeles: Kenneth Anderson Co. ..... ANgeles 8-6771
Seattle: Northwestern Agencies ..... MAin 3-8882
Portland: Northwestern Agencies ..... CApitol 7-5004
Salt Lake City: John Eggren Co. ..... EMpire 3-3945
Denver: Jim Dawson Co. ..... ALpine 5-7194

Perdue, A. L. 94
Sacramento ..... IV 9-3004

Peterson Engineering Co.
(Contact factory for nearest dealer)
Santa Clara, Calif. ..... AX 6-7712

Pfaff & Kendall **59**
San Jose, Calif. ..... ALpine 2-7186
San Francisco:
Wrathall & Krusi, Inc. ..... EXbrook 7-3593
Los Angeles: C. A. Peterson Co. . CApitol 5-2231
San Diego:
John C. Henberger Co. ..... BRowning 4-6283
Phoenix: Wm. Benndorf Co. . CRestwood 7-1662
Oswego, Ore.: Henry G. Lehl . . NEptune 6-4210

Phelps Dodge Copper Products Corp. . . **44, 45**
San Francisco ..... OXford 7-7333
Los Angeles ..... RAymond 3-1311
and PArkview 1-1191
Seattle ..... GLencourt 4-5026
Denver ..... CHerry 4-9291
and CHerry 4-9292
Portland ..... CApitol 6-6117

Pomeroy Co., J. G. **94**
Los Angeles ..... MA 5-1105

H. K. Porter Co., Inc.,
Delta Star Elec. Div. ..... **4th Cover**
Belmont, Calif. ..... LYtel 1-4461
Albuquerque: Ralph B. Black . . . . ALpine 5-9625
Denver: Electrical Agencies Co. 777-3003
Los Angeles ..... RAymond 3-0393
Phoenix:
Daley Elec. Sales Co. Inc. . . . . ALpine 4-4176
Salt Lake City:
Stevens Sales Co. ..... INgersol 7-5489
San Francisco ..... EXbrook 2-2588
Seattle ..... MAin 4-7066
Tucson:
Daley Elec. Sales Co. Inc. ..... MAin 4-6943

Precision Multiple Controls ..... **2nd Cover**
San Francisco:
Wrathall & Krusi ..... EXbrook 7-3593
Los Angeles: Industrial Engineering
& Equip. Corp. ..... DUnkirk 1-1281
Spokane: Shaffer & Nelson, Inc. . . FAirfax 7-9528
Seattle: Shaffer & Nelson, Inc. . . MUtual 2-0186
Portland: Shaffer & Nelson, Inc. . BElmont 4-7437
Salt Lake City:
Shaffer & Nelson, Inc. ..... HU 4-3382
Anchorage, Alaska:
John P. Bagoy & Assoc. ..... BR 4-1884

Preformed Line Products Co.
Palo Alto: 600 Hansen Way . . DAvenport 4-2561
San Francisco: K. M. Ryals Co. . . . YUkon 2-5510
Los Angeles: Earl S. Condon Co. . DUnkirk 1-3951
Seattle: Shaffer & Nelson Inc. . . MUtual 2-0186
Portland: Shaffer & Nelson Inc. . BElmont 4-7437
Salt Lake City: Shaffer & Nelson Inc.
..... Hunter 4-3382
Spokane: Shaffer & Nelson Inc. . . FAirfax 7-9528
Denver: Peterson Co. ..... DExter 3-5434

Pruzan Co., Jack **95**
Seattle ..... MA 4-6505

R T & E Corp.
Richmond, Calif. (maintenance
only) ..... BEacon 3-1686
Portland ..... MErcury 9-2101
Medford: H. L. Mooney ..... SPring 2-9948
Pasadena: D. B. Cole ..... SYlvan 0-5977
Salt Lake City: T. R. Van Wagoner Co.
..... INgersol 6-2461
Bellevue, Wn.: K. H. DuBois . SHerwood 6-4114
Billings: W. L. Lassen ..... ALpine 9-9306
Anchorage: J. P. Bagoy ..... BRoadway 7-8011

Randolph Industries **28**
El Monte, Calif. ..... CU 3-4183
Phoenix ..... AL 8-5281

Reliable Electric Co.
Palo Alto, Calif.: D. B. Evans . DAvenport 5-0230
Los Angeles: H. C. Mitchell, Jr . GRanite 8-3418
Seattle: Don Miksch ..... LA 4-1273

Reliance Automatic Time Controls, Inc. **62**
Los Angeles: Ed Warburg Co. Inc. . . . MA 7-1126
Berkeley: Fletcher Sales ..... TH 5-1863
Salt Lake City: Stuart Electric ..... IN 6-8605
Denver: S & W Elec. ..... FL 5-2560
Phoenix: Barney H. Hartley ..... AL 8-2552

Republic Steel Corp.
San Francisco ..... GArfield 1-0977
Los Angeles ..... MAdison 4-5144
Portland: Shaffer & Nelson Inc. . BElmont 4-7437
Seattle: Shaffer & Nelson Inc. . . . MUtual 2-0186
Spokane: Shaffer & Nelson Inc. . . FAirfax 7-9528
Denver: C. D. Belt Co. ..... SKyline 6-9421

Royco Sales Agency **100**
Salt Lake City ..... AM 6-3616

Reynolds Metals Co.
San Francisco ..... MIssion 7-2990
Los Angeles ..... DUnkirk 1-3511
Seattle ..... MAin 3-2503
Troutdale, Ore. ..... MOhawk 5-8158
Salt Lake City ..... HUnter 7-7749
Phoenix ..... APplegate 8-3551

Ridgeway Co. **100**
San Diego ..... GL 4-7714

Rome Cable Div. of Alcoa
Los Angeles ..... HUntley 2-2475
San Francisco ..... JUno 8-1584
Seattle ..... MAin 4-4040
Salt Lake City ..... ELgin 9-8811
Denver ..... KEystone 4-0533
Phoenix ..... ALpine 4-9248

Royal Electric Corp.
Los Angeles: Eckert-Lloyd Co. . RIchmond 7-9655
San Francisco: Eckert-Lloyd Co. . HEmlock 1-5792
Seattle: Northwestern Agencies . . . MAin 3-8882
Portland: Northwestern Agencies . CApitol 7-0434
Phoenix: Wm. Benndorf . . . . CRestwood 7-1662
Denver: Strong & Humphrey ..... SH 4-1351

Royal Electric Mfg. Co. Inc. **64**
Albuquerque: Walter Dolde ..... CH 2-8477
Phoenix: Roy E. Coulson ..... WI 3-8935
Denver: H. C. Guire Co. ..... SP 7-2864
Vancouver, Wn.: Bill Horning Sales . . OX 4-4475
Salt Lake City: L. M. Slusser ..... EL 5-2322
Oakland: Ingalls Associates ..... OL 8-5622
Long Beach, Calif.: Krause Eng. . . NEvada 6-4966

Rumar Heating Corp. **63**
Tacoma ..... SK 2-3833

Ryals Co., K. M. **64**
San Francisco ..... YU 2-5510

S & C Electric Co.
Burlingame, Calif. ..... OXford 7-1130
El Monte, Calif.: Randolph Industries, Inc.
CUmberland 3-4183 and 3-7901
GIlbert 3-1701
Phoenix: Randolph Industries . . . . ALpine 8-5281
Albuquerque:
Randolph Industries, Inc. 265-7563
Salt Lake City:
Riter Engineering ..... INgersoll 7-9449
Portland: S&C Elec. Co. ..... BElmont 4-5388

Safety Switchboard Co. Inc. **65**
Oakland ..... LO 9-7001
Sacramento ..... GI 1-0273

Sierra Electric Corp. **66, 102, 104**
San Francisco: Stanley Sales ..... MI 8-8875
Seattle: Sanderlin Co. ..... ATwater 4-7777
Portland: Sanderlin Co. ..... BElmont 5-0121
Salt Lake City:
J. W. Reynolds Co. ..... HUnter 4-1133
Denver: George E. Metcalf Co. . . FRemont 7-6459
Albuquerque:
Gordon W Laursen & Son . . . . ALpine 6-7322
San Diego: Jack Murphy ..... BElmont 3-7078
Los Angeles ..... FAculty 1-1000

Sierra Switchboard Co. **99**
Menlo Park, Calif. ..... EM 8-3851

Smedley & Associates, A. B. **92**
Alatadena, Calif. ..... SY 8-3919

Smoot-Holman Co. **66**
San Francisco ..... MArket 1-8474
Los Angeles ..... ORegon 8-8981
Salt Lake City: J. R. Christensen . EMpire 3-4419
Seattle: F. C. Scharr ..... ATwater 2-9230
Portland: Clay Barton ..... CApitol 8-3520

Sorgel Electric Co. **103**
San Francisco: Artwel Elec. Inc. ..... JU 6-4184
Los Angeles: Krieger-Koufax Co. . . . DU 9-3288
Denver: Boyer & Seeley, Inc. . . . . ALpine 5-6770
Oswego, Ore.: H. G. Lehl . . . . . NEptune 6-4210

Spring City Elec'l Mfg. Co. **67, 78**
Los Angeles: Murphy-Hain ..... AN 8-3521
San Francisco: George E. Honn Co. . . SU 1-7352
Seattle: N. R. Schultz Co. ..... MA 4-8650
Denver: Fred E. Staible & Sons . . . . TA 5-3991
Phoenix: W. C. Osburn ..... WA 3-1815

Square D Co.
Los Angeles ..... CApitol 1-1171
San Francisco ..... JUniper 7-4590
Seattle ..... EAst 3-1474
Portland ..... BElmont 4-8488
Denver ..... KEystone 4-6234
Salt Lake City ..... DAvis 2-5859
Phoenix ..... ALpine 8-6448
El Paso ..... KEystone 3-0544
Spokane ..... FAirfax 8-3690
San Diego ..... BElmont 3-7621
Fresno ..... AMherst 8-6268

Sta-Tite Mfg. Co. **68**
Denver: Jim Dawson ..... AL 5-7194
Los Angeles: James Pope, Jr. ..... AL 4643

Stearns-Roger Mfg. Co. **69**
Denver ..... AComa 2-8484

Steel City Electric Co. **19**
Los Angeles: Duro Steel City . . RAymond 3-6427
Murphy Hain Co. ANgelus 8-3521
San Francisco: Hodges & Glomb
Seattle: Northwestern Agencies . . . MAin 3-8882
Denver: Fred E. Staible & Son . . . TAbor 5-3991
Salt Lake City

Stubbs Electric Co. **71**
Portland ..... CA 7-5401

Subox, inc. **61**
San Francisco: Wrathall & Krusi . EXbrook 7-3593
Los Angeles: R. E. Cunningham & Son
..... MAdison 8-1105
Portland: Wm. J. Cottrell
& Assoc. ..... CApitol 7-6191
Seattle: Fred H. Carlson Co. . . . . ATwater 4-4630
Denver: Ambler Co. ..... TAbor 5-8885

Sylvania Electric Products, Inc.
San Francisco: Stanley Sales ..... MI 8-[illegible]
Los Angeles: C. A. Peterson Co. . CApitol 5-2231
Seattle: R. L. Dilworth ..... MAin 2-6888

Tri-State Supply Corp. **21**
Los Angeles ..... MAdison 8-2354
San Francisco ..... EXbrook 2-8890
Seattle ..... MAin 2-4161

Thallon Sales **75**
San Mateo, Calif. ..... FI 1-4575

Union Metal Mfg. Co. **73**
San Francisco ..... JO 7-2543
Long Beach ..... SP 5-1221
Portland ..... CA 6-4333
Denver ..... WE 5-3583

Victor Specialties, Inc.
San Francisco:
Stanley Sales Corp. ..... UNderhill 3-8900
Los Angeles: Hayjax Co. ..... MAdison 8-5256
Phoenix: George W. Hill ..... WH 6-1657
Salt Lake City: John E. Elggren . . AXtel 5-0472
Denver: Bacon's Elec'l Equip. ..... CH 4-6563

Wagner Electric Corp.
South San Francisco ..... PLaza 6-0520
El Segundo, Calif. ..... ORegon 8-7671
Portland ..... CApitol 7-3654
Salt Lake City ..... EMpire 3-5013
Denver ..... CHerry 4-7421
Seattle ..... MAin 2-2342

Weld Rite Co. **77**
Oakland ..... ANdover 1-3341
San Gabriel, Calif. ..... CUmberland 3-9197
Bruce Emmett Co. in following cities:
Portland ..... BElmont 2-8117
Seattle ..... MUtual 2-6737
Spokane ..... WA 6-6352
Salt Lake City ..... ELgin 9-8577
Honolulu:
National Elec'l Supply . . . . Honolulu 9-2091

Western Electric Heating **91**
San Francisco ..... PR 6-1251

Western Hardware & Tool **80, 101**
San Francisco ..... UN 3-4540

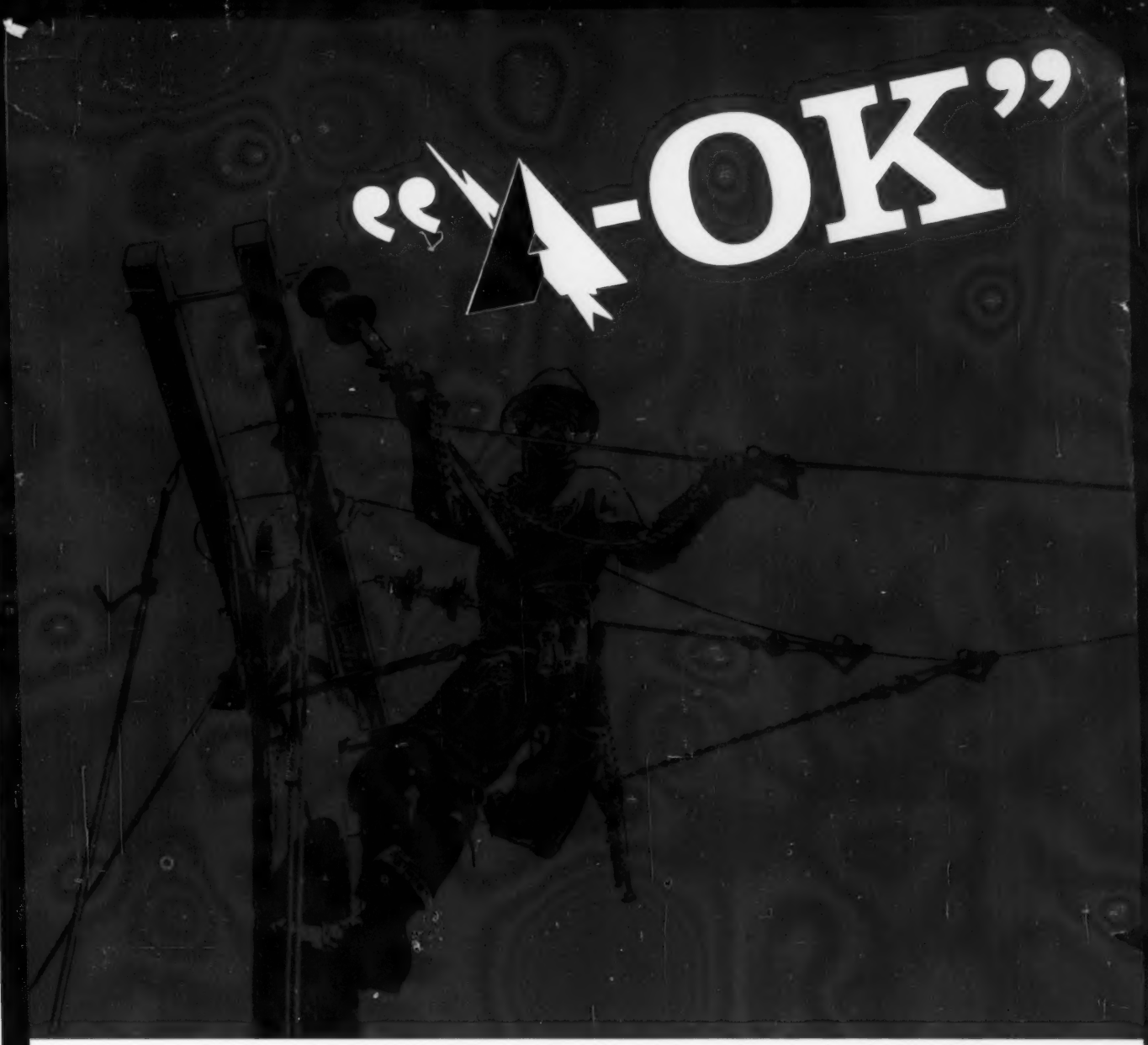
Western Insulated Wire Co.
Los Angeles ..... LUdlow 7-7103
San Francisco: Electrorep, Inc. . . . MArket 6-0225
Seattle:
Associated Elec'l Agents ..... MUtual 2-5232
Albuquerque: John Carder ..... CHapel 2-3581
Salt Lake City:
T. R. Van Wagoner ..... HUnter 6-7251
Portland:
Associated Elec'l Agents ..... CApitol 7-5654

Western Power Products, Inc. **82**
Portland ..... CA 2-4297

Westinghouse Electric Corp.
San Francisco ..... EXbrook 2-5353
Los Angeles ..... MAdison 6-3881
Denver ..... KEystone 4-8121
Phoenix ..... ALpine 8-8621
Salt Lake City ..... ELgin 5-3413
Seattle ..... MAin 2-0808
Portland ..... ATlantic 8-6311
Spokane ..... FAirfax 8-3371

Wrathall & Krusi, Inc. **1**
San Francisco ..... EX 7-3593

Young & Co., Robert A. **79**
Glendale, Calif. ..... CH 5-3721



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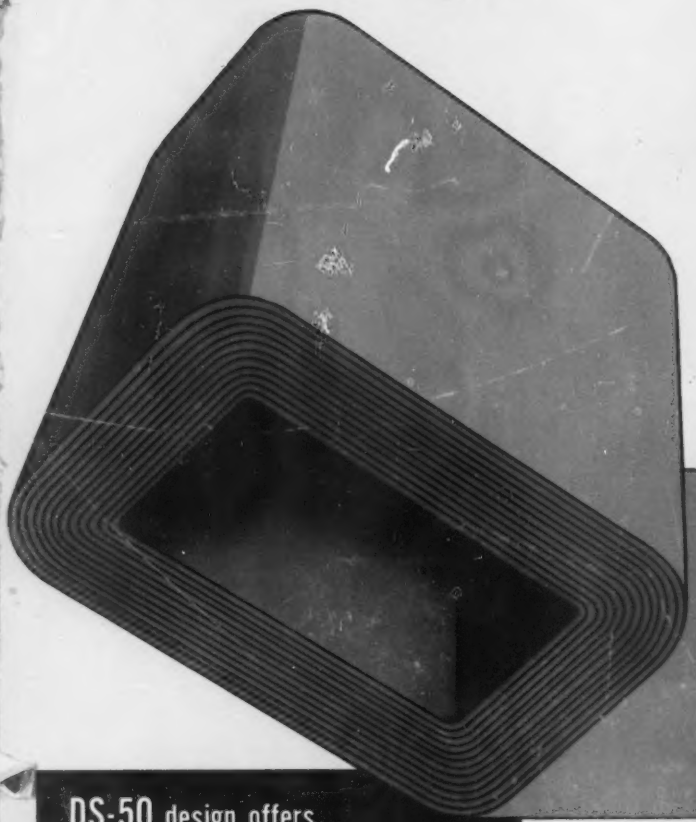

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